MONITORING WELL INSTALLATION REPORT
FORMER QUALITY TUNE UP PROPERTY
14901 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA
RWQCB FILE NO. 01-2335

PREPARED FOR:
City of San Leandro
835 East 14th Street
San Leandro, California 94577

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612

February 19, 2013
Project No. 401007005

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Mr. John Jang
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Monitoring Well Installation Report
Former Quality Tune Up Property
14901 East 14th Street
San Leandro, California
RWQCB File No. 01-2335

Dear Mr. Jang:

On behalf of the City of San Leandro, Ninyo & Moore has prepared this Monitoring Well Installation Report describing groundwater monitoring well installation activities for the Former Quality Tune Up property located at 14901 East 14th Street, San Leandro, California (site).

The activities were conducted in general accordance with the Work Plan for Monitoring Well Installation dated May 21, 2012, which was submitted to the Regional Water Quality Control Board (RWQCB), and approved in a letter dated December 13, 2012.

We appreciate the opportunity to be of service to you on this project.

Sincerely,
NINYO & MOORE

Sarah F. Price
Staff Environmental Engineer

Professional Geologist
Kristopher M. Larson
No. 8059
State of California

Kris M. Larson, PG
Principal Environmental Geologist

SFP/KML/caa

Distribution: (1) Addressee
(1) Mark Detterman, ACEH
(1) Mr. Nelson Lam, PE, QSD/P, Assistant Engineer, City of San Leandro

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1. INTRODUCTION

Ninyo & Moore was retained by the City of San Leandro (City) to conduct monitoring well installation activities at the former Quality Tune Up property located at 14901 East 14th Street in San Leandro, Alameda County, California (site). The activities were conducted in general accordance with the Work Plan for Groundwater Monitoring Well Installation dated May 21, 2012, which was originally submitted to the San Francisco Bay Regional Water Quality Control Board (SFRWQCB), and approved in a letter dated December 13, 2012. A copy of the SFRWQCB approval letter is included in Appendix A.

2. BACKGROUND

The site is located at 14901 East 14th Street, between 150th Avenue and Hesperian Boulevard in the San Leandro, Alameda County, California (Figure 1), and consists of an approximately 10,600 square-foot, triangular shaped parcel. The site formerly contained an approximately 900 square-foot single-story structure which was occupied by Quality Tune Up, an automobile service and smog inspection facility. The properties in the immediate vicinity of the site are primarily commercial facilities, beyond which are mostly residential single family homes.

The earliest available historical sources examined in previous environmental reports indicated that the site was developed and occupied as early as 1948. From 1948 to approximately 1950, the site was occupied by Riley's Gasoline Station. In approximately 1950, the site was constructed to a similar configuration as the most recent layout which included the former on-site building. From approximately 1950 to 1974, the site was occupied by Red's Flying A Service Gas Station. In approximately 1974, the site changed occupancy to a Phillips 66 gasoline station. In 1976, the site again changed occupancy to Electrotune and remained occupied by Electrotune until some time prior to 1981. The most recent tenants of the site, Quality Tune Up, occupied the site from 1981 until March 2012. The City purchased the site on March 5, 2010, and the site will be utilized for future roadway expansion at the three-way intersection of East 14th Street, 150th Avenue, and Hesperian Boulevard.

2.1. Previous Investigations

Soil and groundwater samples have been collected from surface and subsurface sampling points, and laboratory analyzed for contaminants of concern (COCs) related to the historical operation of underground storage tanks (USTs) and pump dispenser islands in various areas of the property. Results of analysis have shown concentrations of total petroleum hydrocarbons (TPH) present in isolated areas of the property at levels above regulatory guidance. Volatile organic compounds (VOCs) have not generally been present, but were reported in areas where high petroleum hydrocarbons were detected. Therefore, the primary COCs which determined where remediation was necessary were TPH compounds. Concentrations of metals exceeding regulatory guidance have not been historically encountered at the site.

Due to the historical use of the site as a gasoline service station, the areas of concern where potential source soil remained on site were inferred to exist below the former gasoline pump islands and to the west and north of the former USTs. Historical soil and groundwater sample results have indicated most of the impacted groundwater is within or immediately downgradient of the footprints of the former USTs and pump islands.

A Remedial Action Plan (RAP) was prepared by Ninyo & Moore in 2007, and approved by the Alameda County Environmental Health Department (ACEH) in January 2008. The Final RAP, dated January 10, 2008, proposed targeted removal of soil in four distinct areas of the site, followed by the groundwater monitoring at each of these four distinct areas. As reported in Ninyo & Moore's Interim Remedial Action Report dated June 6, 2012, implementation of the RAP began in April 2012. The April 2012 remedial activities included the excavation and removal of approximately 725 cubic yards of petroleum-impacted soil, the collection of confirmation, stockpile and overburden soil samples, backfilling the excavation areas (Figure 2) and the transportation and disposal of impacted soils.

In May 2012, Ninyo & Moore submitted the Work Plan for Groundwater Monitoring Well Installation, to monitor the impacted groundwater at the site and complete the remedial actions described in the RAP. The work plan was approved by the SFRWQCB on December 13, 2012.

2.2. PHYSICAL SETTING

The following sections include discussions of geologic and hydrogeologic conditions for the site and site vicinity, based upon our document review and field observations of the site and adjacent areas.

2.2.1. Site Geology

The site is located within the Coast Ranges Geomorphic Province. The Coast Ranges extend approximately 600 miles from the Oregon border to the central coast of California. The Coast Ranges are northwest trending and are underlain by marine and non-marine sedimentary rocks. Based on information collected during previous subsurface investigations at the site, the site is underlain by alluvium, which primarily consists of clay, silt, and sand. Boring logs indicate the site to be underlain with clays and clayey sands to a maximum explored depth of approximately 20 feet with the exception of the April 2012 excavation areas (Figure 2) which were backfilled with drain rock and fill material. Copies of boring logs are included in Appendix B.

2.2.2. Groundwater

Three water bearing zones below the site have been encountered in sand lenses between 13 and 18 feet below ground surface (bgs), between 28 to 32 feet bgs, and between 47 to 50 feet bgs.

The depth to groundwater was measured to range from approximately 9.79 to 10.21 feet below the top of casing (TOC) in the four groundwater monitoring wells recently installed on site. Based on the measured depths to groundwater and surveyed well elevations, the groundwater elevation ranged from 27.36 to 27.12 feet above mean sea level (MSL), and the groundwater flow direction is inferred to be towards the south-southwest with a gradient of approximately 0.002 feet per foot. Groundwater equipotential lines and the inferred flow direction are depicted on Figure 3.

3. MONITORING WELL INSTALLATION

The groundwater monitoring well installation included the following pre-field and field activities:

3.1. Pre-field Activities

Pre-field activities included permitting, preparation of a Site Specific Health and Safety Plan (SSHSP), and utility clearance activities as described in the following sections.

3.1.1. Permitting

Permits for groundwater monitoring well installation were obtained from the Alameda County Public Works Agency prior to the commencement of site field activities. A copy of the permit for the monitoring wells is included in Appendix A.

3.1.2. Health and Safety Plan

In accordance with Ninyo & Moore's Standard Operating Procedures (SOPs) and Occupational Safety and Health Administration (OSHA) requirements, a SSHSP was prepared prior to planned field activities. The SSHSP outlined the on-site organization and responsibilities of field personnel and presented a discussion of the potential hazards associated with the field activities. Prior to the start of field activities, field personnel reviewed the SSHSP and signed the acknowledgment form which was included in the SSHSP.

3.1.3. Utility Clearance

Groundwater monitoring well and soil boring locations were located and marked in the field prior to conducting a utility clearance. Prior to commencing drilling activities, Underground Service Alert (USA) was contacted to identify the locations of underground utilities in the proposed work areas, as appropriate. Utility drawings illustrating the locations of aboveground and underground utilities were also reviewed.

3.2. Field Activities

Four groundwater monitoring wells, MW-1 through MW-4, were installed at the site, at the locations indicated on Figure 2. Field activities included advancing four soil borings in the locations of the proposed monitoring wells, installation of monitoring wells MW-1 through MW-4, and monitoring well development, surveying, and sampling activities.

3.3. Soil Sampling Methodology

On December 17th and 18th, 2012, soil borings MW-1 through MW-4 were advanced prior to monitoring well installation. Soil borings MW-1 through MW-3 were advanced using a direct push drill rig from the surface to a depth of approximately 20 feet bgs. Soil boring MW-4 was advanced using a hand auger to a depth of approximately 5 feet bgs and advanced from approximately 5 to 20 feet bgs using a direct push drill rig. Two soil samples were collected from borings MW-1, MW-3, and MW-4 and three soil samples were collected from boring MW-2.

Soil cores were inspected for physical signs of impacts, including odors and staining, and were field screened using a hand-held photo ionization detector (PID) to evaluate the presence and relative concentration of organic vapors in the soil. The results of the field screening PID measurements were recorded on the boring logs presented in Appendix B. Soil samples were collected at depths where physical signs of impacts such as staining, PID readings, or odors, were most pronounced, and at depths which were anticipated to define the vertical or lateral extent of impacts observed within the boring or adjacent borings.

In the event where no physical signs of impact were observed, as in borings MW-1, MW-3, and MW-4, one soil sample was collected at approximately 5 feet bgs and one soil sample was collected just above the groundwater table. In boring MW-2, a PID reading of 40 parts per million (ppm) and petroleum odors were detected between approximately 17 and 18 feet bgs, therefore a third soil sample was collected from approximately 17.5 to 18.0 feet bgs in this boring. A lithologic description of the soils encountered is described on detailed boring

logs (Appendix B) in general conformance with the Unified Soil Classification System (USCS).

Soil samples were collected in appropriate containers which were labeled with the project name/location, sample identification, sampling date/time, and sampler's initials. Soil samples collected for analysis of VOCs and TPH as gasoline (TPHg) were collected in Encore containers and/or preserved vials in accordance with EPA Method 5035. The sample containers were placed into an insulated cooler containing ice for storage and transport to the analytical laboratory. Chain-of-custody documentation was completed and accompanied the soil samples to the analytical laboratory.

Upon completion of soil sampling from borings MW-1 through MW-4, the borings were over-drilled for monitoring well installation.

3.4. Groundwater Monitoring Well Installation, Development and Sampling

On December 17th and 18th, 2012 four groundwater monitoring wells (MW-1 through MW-4) were installed on site. The monitoring well borings were advanced using an 8-inch diameter hollow stem auger to widen the initial direct push borings. The groundwater monitoring wells were installed to a depth of approximately 20 feet bgs. The wells were screened between 5 feet bgs and the completed well depth using 2-inch diameter, 0.01-inch slotted schedule 40 PVC screen. Screw type PVC end caps were placed at the bottom of the screens. The upper 5 feet of the well casing was composed of blank schedule 40 PVC. Well construction was completed by pouring # 2/12 Monterey Sand into the well annulus to approximately 1 foot above the screened PVC, adding 1 foot of bentonite chips above the sand, and finishing the well within 1 foot of the surface with grout (neat cement) for the sanitary seal. Eight inch diameter traffic rated monitoring well boxes were installed in concrete within the top foot of the subsurface. A monitoring well construction schematic is included in Appendix B.

3.5. Groundwater Monitoring Well Development

On December 28, 2012, the monitoring wells were developed by surging, pumping and bailing using a surge block, peristaltic pump, and disposable bailer. Prior to well development, the well caps were removed to allow the water level to equilibrate for approximately 20 minutes. The depth to water in each well was then measured using a decontaminated water level meter accurate to 0.01 feet. The wells were surged approximately 50 strokes with a decontaminated surge block within the screened portion of the well to remove sediment in the sand pack. Subsequent to surging, approximately 10 casing volumes of groundwater was purged from the wells using a new disposable bailer and peristaltic pump with new tubing to remove sediment accumulation in the well bottom. Groundwater parameters including pH, temperature, and electrical conductivity were measured during well purging and recorded on groundwater sampling field data sheets. Copies of the field data sheets are included in Appendix A.

3.6. Groundwater Monitoring Well Sampling

On January 11, 2013, groundwater samples were collected from the monitoring wells. The well caps were once again removed to allow the water level to equilibrate for approximately 20 minutes, at which time depth to groundwater was measured using a decontaminated water level meter accurate to 0.01 feet. Approximately three casing volumes of groundwater were purged using a peristaltic pump with new tubing for each well prior to sample collection. Groundwater parameters, including pH, temperature, and electrical conductivity were measured during well purging and recorded on groundwater sampling field data sheets (Appendix A). Groundwater samples were collected in the appropriate containers using the peristaltic pump. The pump was equipped with new tubing prior to sample collection. The peristaltic pump was operated at low speed during sample collection to minimize disturbance of the water which could result in volatilization of VOCs. The groundwater sample containers were labeled with the project name/location, sample identification, sampling date/time, and sampler's initials. The sample containers were placed bubble wrap and/or protective sleeves and stored in a cooler containing ice for transport to the analytical laboratory

for analysis. Chain-of-custody documentation was completed and accompanied the groundwater samples to the laboratory.

3.7. Soil and Groundwater Sample Analysis

Soil and groundwater samples were submitted to Advanced Technology Laboratories (ATL), a state-certified analytical laboratory located in Signal Hill, California, for analysis of TPHg and TPH as diesel (TPHd) using United States Environmental Protection Agency (EPA) Method 8015M; and VOCs using EPA Method 8260B.

3.8. Well Survey

On January 22, 2012, the groundwater monitoring wells were surveyed by Virgil Chaves Land Surveying, a California licensed surveyor, using coordinates for northings, eastings, and elevations. Groundwater monitoring well elevations were measured at the rim of the well box and top of the well casings (at a notch placed by the surveyors on the north edge of the rim/casing). A copy of the survey report is included in Appendix A.

3.9. Decontamination Procedures

All equipment that came into contact with potentially contaminated soil or water was decontaminated consistently to assure the quality of samples collected. Disposable equipment intended for one-time use was not decontaminated. Decontamination occurred prior to and after each use of a piece of equipment. All drilling and sampling devices used were decontaminated using a steam cleaner or a three bucket wash consisting of a rinse in potable water, followed by a rinse in a solution of non-phosphate based detergent and water, followed by a rinse in distilled water. Nitrile gloves were changed between each sample collection to minimize the likelihood of cross contamination.

3.10. Investigation Derived Waste Disposal

Soil cuttings, decontamination fluids and purged groundwater generated from field activities were placed into properly labeled 55-gallon drum, and stored in a gated area on the west side

of 14901 East 14th Street. Five drums of soil cuttings and 5 drums of water (decontamination rinsate and purged groundwater) were generated. Gloves and miscellaneous trash remaining from the site sampling activities were stored in plastic bags and disposed of as municipal waste. On January 31, 2013, the 55-gallon drums were removed from the site by Belshire Environmental Services, a licensed waste hauler, of Foothill Ranch, California, following waste profile acceptance. A copy of the waste manifest can be found in Appendix A.

4. ANALYTICAL RESULTS

The following sections summarize the laboratory analytical results for the soil samples and groundwater monitoring well samples collected on site. Copies of laboratory analytical reports are presented in Appendix C. Analytical results for TPH compounds and VOCs in soil are summarized in Table 1, and analytical results for TPH compounds and VOCs in groundwater are summarized in Table 2. Analytical results for TPH compounds in groundwater are also presented on Figure 3.

Analytical results are compared to the SFRWQCB's Environmental Screening Levels (ESLs) dated May, 2008. The ESLs used for comparison to soil data are for Commercial/Industrial Worker Direct Exposure and Construction/Trench Worker Direct Exposure (ESLs Table K-2 and Table K-3). The ESLs used for comparison to groundwater data are for groundwater which is a current or potential drinking water resource (ESLs Table F-1a). The use of these ESLs provides conservative guidelines for the planned future use of the property, which is to incorporate the property into the adjacent roadway intersections.

4.1. TPH Compounds in Soil

TPHg was not detected in three of the nine soil samples collected. Minor concentrations of TPHg (below the ESL of 450 mg/kg) ranging from 1.1 to 10 milligrams per kilogram (mg/kg) were detected in the remaining soil samples collected. The highest concentration was reported at 18 feet bgs in MW-2.

TPHd was not detected in soil samples collected with the exception of a minor concentration of 3.9 mg/kg (below the ESL of 450 mg/kg) from the sample collected at 18 feet bgs in boring MW-2.

4.2. VOCs in Soil

Concentrations of VOCs were not detected in soil samples.

4.3. TPH Compounds in Groundwater

TPHg was detected at a concentration of 0.34 milligrams per liter (mg/L) in the groundwater sample from monitoring well MW-2, exceeding the ESL of 0.1 mg/L (Figure 3). TPHg was detected at 0.05 mg/L in groundwater samples from monitoring wells MW-1 and MW-3, and was not detected in the groundwater sample from monitoring well MW-4.

TPHd was detected in groundwater at concentrations of 0.08 mg/L and 0.09 mg/L in monitoring wells MW-2 and MW-3, respectively, which are below the ESL of 0.1 mg/L. TPHd was not detected in monitoring wells MW-1 or MW-4.

4.4. VOCs in Groundwater

Bromomethane was the only VOC detected in groundwater samples collected from the site monitoring wells. Bromomethane was detected at a concentration of 0.93 micrograms per liter (µg/L) in the groundwater sample from monitoring well MW-3, which is below the ESL of 9.8 µg/L. Bromomethane was not detected in groundwater samples from the other monitoring wells on site.

5. FINDINGS AND CONCLUSION

The following sections present our findings and conclusions for the areas of the site which were evaluated during the recent site investigation and monitoring well installation activities.

5.1. Impacts in Soil

Only minor concentrations of TPHg and TPHd were detected in soil samples collected on site. Based on these findings the source of impacts from petroleum hydrocarbons in groundwater appears to have been removed during remedial activities.

5.2. Impacts in Groundwater

Impacts from TPHg and minor impacts from TPHd have been detected in groundwater on site. The highest detected concentration of TPHg (0.34 mg/L in MW-2) exceeds the ESL of 0.1 mg/L. Concentrations of TPHd detected in MW-2 (0.08 mg/L) and MW-3 (0.09 mg/L) were below the ESL of 0.1 mg/L.

6. RECOMMENDATIONS

Based on the low concentrations of fuel related compounds reported during the monitoring well installation and sampling activities, Ninyo & Moore recommends that quarterly groundwater monitoring be performed for no more than one year to evaluate natural attenuation and seasonal changes in groundwater conditions at the site.

7. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Ninyo & Moore's findings, conclusions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly

between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results. This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document. This report is intended exclusively for use by the client. Any use or re-use of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Ninyo & Moore's findings, conclusions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

8. REFERENCES

Ninyo & Moore, 2005, *Limited Phase II Environmental Site Assessment*, Quality Tune-Up, 14901 East 14th Street, San Leandro, California, dated June 6.

Ninyo & Moore, 2007a, *Preferential Pathway Study and Workplan for Additional Soil and Groundwater Evaluation*, Quality Tune-Up, 14901 East 14th Street, San Leandro, California, dated January 22.

Ninyo & Moore, 2007b, *Additional Soil and Groundwater Investigation*, Quality Tune-Up, 14901 East 14th Street, San Leandro, California, dated May 24.

Ninyo & Moore, 2008, *Remedial Action Plan*, 14901 East 14th Street, San Leandro, California, dated January 10.

Ninyo & Moore, 2012, *Interim Remedial Action Report*, 14901 East 14th Street, San Leandro, California, dated June 6.

Ninyo & Moore, 2012, *Work Plan for Monitoring Well Installation*, 14901 East 14th Street, San Leandro, California, dated May 21.

Table 1 - Soil Sample Analytical Results for Total Petroleum Hydrocarbons and Volatile Organic Compounds

Sample ID	Date	Sample Interval (feet bgs)	TPH (mg/kg)		VOCs (µg/kg)
			TPHd	TPHg	All VOCs
MW-1-5	12/18/12	4.5-5.0	<0.79	1.6	ND
MW-1-13	12/18/12	12.5-13.0	<0.76	1.2	ND
MW-2-5	12/17/12	4.5-5.0	<0.75	<1.0	ND
MW-2-12	12/17/12	11.5-12.0	<0.78	<1.0	ND
MW-2-18	12/17/12	17.5-18.0	3.9	10	ND
MW-3-5	12/17/12	4.5-5.0	<0.77	2.8	ND
MW-3-10	12/17/12	9.5-10.0	<0.84	3.0	ND
MW-4-5	12/18/12	5.0-5.5	<0.78	1.1	ND
MW-4-12	12/18/12	11.5-12.0	<0.76	<1.0	ND
C/I Direct Exposure ESLs			450	450	NA
C/T Worker ESLs			4200	4200	NA

Notes:

TPHg, TPHd - total petroleum hydrocarbons as gasoline, diesel analyzed by EPA Method 8015B

VOCs - volatile organic compounds analyzed by EPA Method 8260

bgs - below ground surface

mg/kg - milligrams per kilogram

µg/kg - micrograms per kilogram

< X - indicates concentration below laboratory detection limit of X

C/I Direct Exposure ESLs - SFRWQCB Environmental Screening Levels for Commercial/Industrial Worker Direct Exposure (Table K-2, May 2008)

C/T Worker ESLs - SFRWQCB Environmental Screening Levels for Construction/Trench Worker Direct Exposure (Table K-3, May 2008)

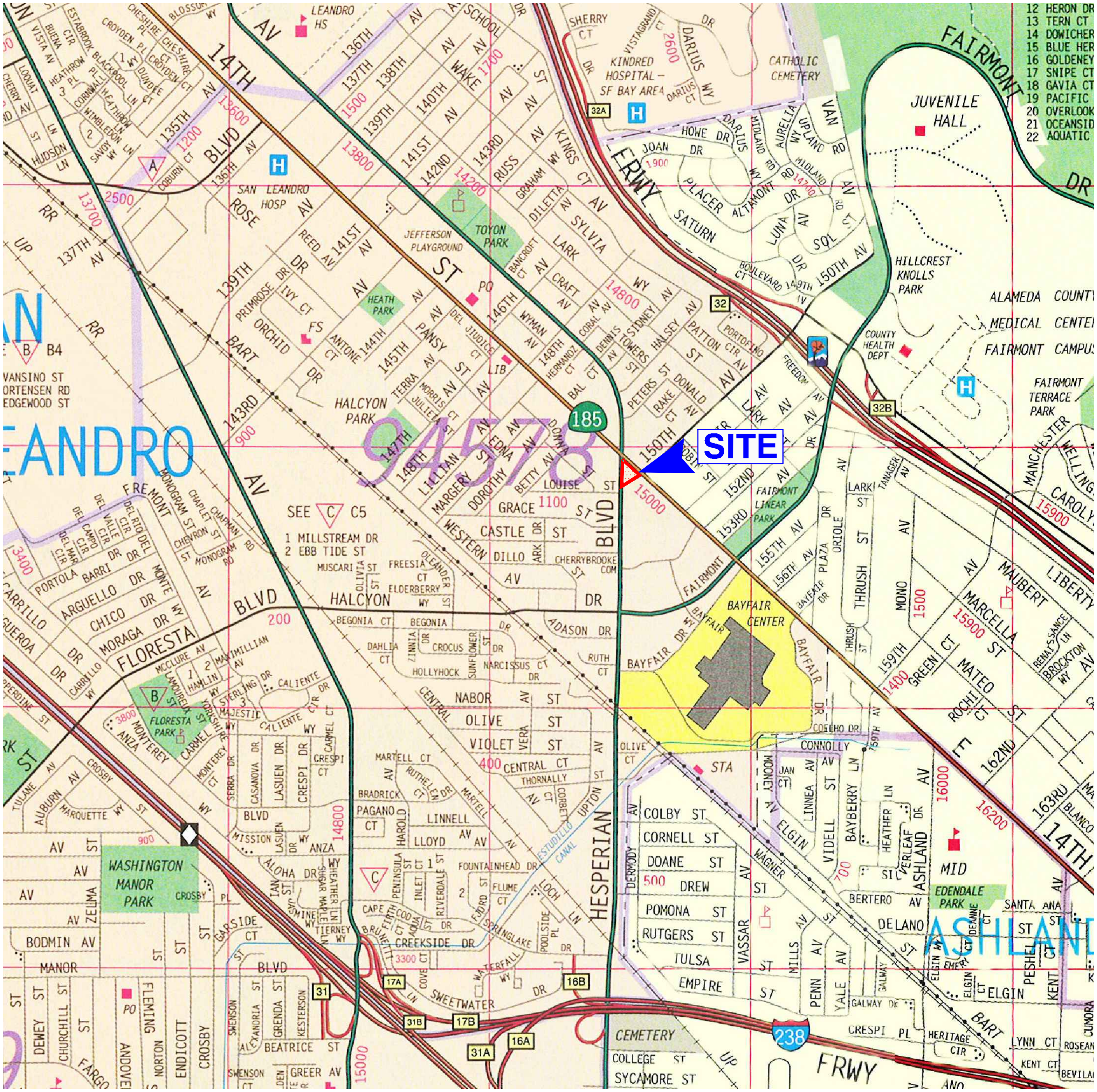
ND - not detected (detection limits vary, see lab report)

NA - not applicable

TABLE 2 - Groundwater Sample Analytical Results for Total Petroleum Hydrocarbons and Volatile Organic Compounds

Monitoring Well/Sample ID (toc elev)	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	TPH (mg/L)		VOCs (ug/L)	
				TPH-g	TPH-d with Silica Gel Cleanup	Bromomethane	All Other VOCs
MW-1 (37.57)	1/11/2013	10.21	27.36	0.05	<0.05	<0.5	ND
MW-2 (37.32)	1/11/2013	10.01	27.31	**0.34**	0.08	<0.5	ND
MW-3 (37.03)	1/11/2013	9.79	27.24	0.05	0.09	0.93	ND
MW-4 (37.30)	1/11/2013	10.18	27.12	<0.05	<0.05	<0.5	ND
ESLs				0.1	0.1	9.8	NA

Notes:
toc elev - top of casing elevation in feet above mean sea level
ft btoc - feet below top of casing
ft msl - feet above mean sea level
TPH-g and TPH-d - total petroleum hydrocarbons as gasoline and diesel analyzed by EPA Method 8015B
VOCs - volatile organic compounds analyzed by EPA Method 8260
mg/L - milligrams per liter
ug/L - micrograms per liter
ESLs **-** SFRWQCB Environmental Screening Levels (groundwater is a potential drinking water source), Table F-1a
Bold indicates concentration in excess of ESL
NA - Not applicable
ND - not detected (detection limits vary, see lab report)
<X - indicates concentration below laboratory detection limit of X



REFERENCE: 2005 THOMAS GUIDE FOR ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES, STREET GUIDE AND DIRECTORY.

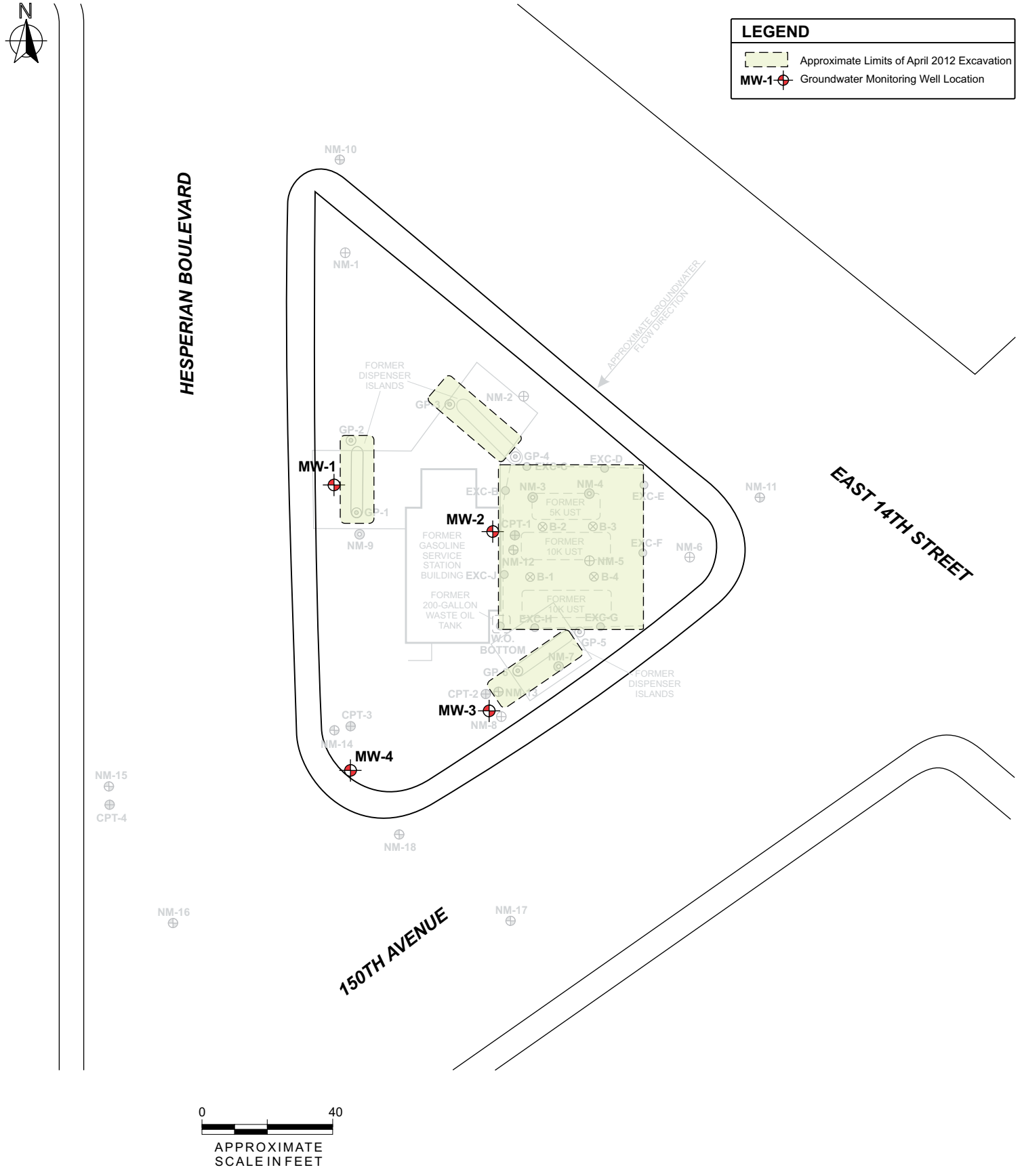
N

SCALE IN FEET

0 1,500 3,000

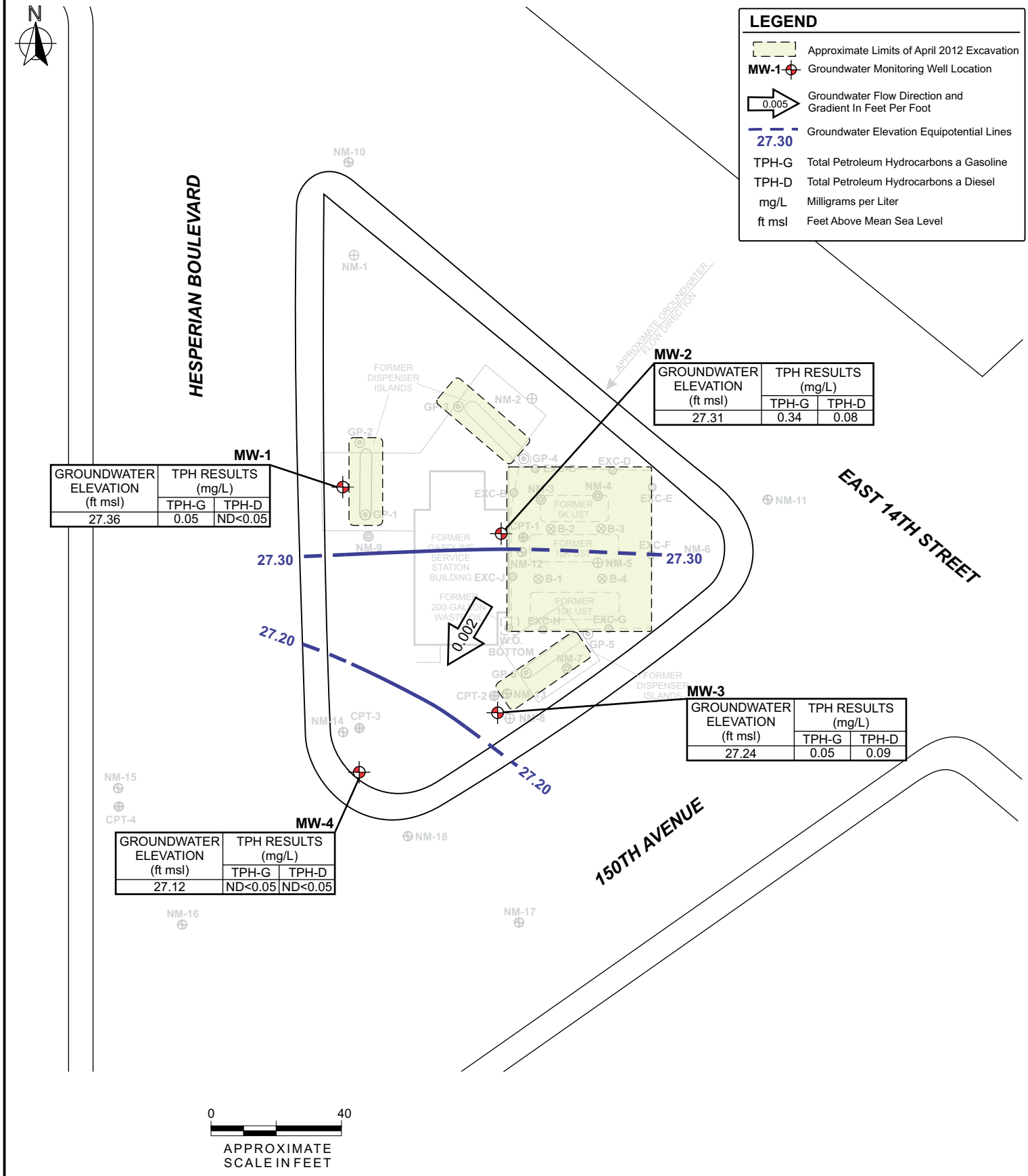
NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		SITE LOCATION	FIGURE
PROJECT NO.	DATE	FORMER QUALITY TUNE UP 14901 EAST 14th STREET SAN LEANDRO, CALIFORNIA	1
401007005	2/13		



SOURCE: Hageman Aguiar, Inc., Report of Additional Subsurface Investigation, January, 1997.

Ninyo & Moore		SITE PLAN	FIGURE 2
PROJECT NO: 401007005	DATE: 2/13	FORMER QUALITY TUNE UP 14901 EAST 14TH STREET SAN LEANDRO, CALIFORNIA	



SOURCE: Hageman Aguiar, Inc., Report of Additional Subsurface Investigation, January, 1997.

Ninyo & Moore		GROUNDWATER GRADIENT AND ANALYTICAL RESULTS FOR TPH COMPOUNDS-JANUARY 11, 2013	FIGURE 3
PROJECT NO: 401007005	DATE: 2/13	FORMER QUALITY TUNE UP 14901 EAST 14TH STREET SAN LEANDRO, CALIFORNIA	

APPENDIX A

SUPPORTING DOCUMENTS

December 13, 2012
File No. 01-2355 (JMJ)

Ms. Diana Pagano
6912 Broadway Terrace
Oakland, CA 94611-1924

SUBJECT: **Work Plan Approval and Requirement for a Technical Report**
Former Quality Tune Up, 14901 East 14th Street, San Leandro, Alameda County

Dear Ms. Pagano and Mr. Lam:

This letter approves your May 21, 2012, "*Work Plan for Groundwater Monitoring Well Installation and Sampling"*, and directs you to submit a technical report documenting the implementation of the work plan.

Background
Several gas stations and tune-up facilities have occupied the site from 1950 to March 2012. Several phases of investigations were conducted over the last fourteen years. These investigations indicated that the primary contaminants of concern are total petroleum hydrocarbons from the historical operation of the former USTs and pump islands. A Remedial Action Plan (RAP) was prepared in 2007 and approved by Alameda County Environmental Health in January 2008. The Final RAP, dated January 10, 2008, proposed removal of soil in four areas of the site, followed by groundwater monitoring. In April 2012, petroleum-impacted source soil was removed from the site. The site will be utilized for future roadway expansion at the three-way intersection of East 14th Street, 150th Avenue, and Hesperian Blvd. Monitoring of the groundwater is now required to assess the effectiveness of the source removal and evaluate the current groundwater conditions at the site.

Work Plan and Requirement for a Technical Report
Your May 21, 2012, work plan proposes the following:

- Installing four monitoring wells and collecting soil and groundwater samples for lab analysis,
- Surveying the top of casing for each monitoring well,
- Storing and then removing investigation-derived waste in 55-gallon steel drums, and
- Preparing a report of findings.

The proposed locations of the monitoring wells are located downgradient of the four excavation areas. We concur with this proposed scope of work.

You are required to submit a technical report that documents the implementation of the work plan by March 15, 2013.

This requirement for a technical report is made pursuant to Water Code Section 13267, which allows the Regional Water Board to require technical or monitoring program reports from any person who has discharged, discharges, proposes to discharge, or is suspected of discharging waste that could affect water quality. The attachment provides additional information about Section 13267 requirements. Any extension in the above deadlines must be confirmed in writing by Regional Water Board staff.

You are required to submit all documents in electronic format to the State Water Resources Control Board's Geotracker database. Guidance for electronic information submittal is available at http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/. Please note that this requirement includes all analytical data, monitoring well latitudes, longitudes, and elevations, water depths, site maps, boring logs (PDF format), and complete copies of reports and correspondence including the signed transmittal letters and professional certifications (PDF format).

All reports submitted should have the Regional Water Board file number 01-2355 on the first page of the report. Copies of all reports and correspondence should be sent to Mr. Mark Detterman of Alameda County Environmental Health Services. You are responsible for obtaining any necessary approvals or permits from all agencies having jurisdiction over any aspect of the proposed work. These agencies may include the local Building Department, Planning Department, Public Works, and the Alameda County Environmental Health Services department (contact number 510-567-6700).

Please direct all questions and correspondence regarding this matter to John Jang of my staff at (510) 622-2366 (email address jjang@waterboards.ca.gov).

Sincerely,

Bruce H. Wolfe
Executive Officer

Attachment: Fact Sheet – Requirements For Submitting Technical Reports Under Section 13267 of the California Water Code (Revised January 2008)

cc w/ attachment: Mailing List

Mailing List

Cem Atabek, Ninyo & Moore, 1956 Webster Street, Suite 400, Oakland, CA 94612 (email catabek@ninyoandmoore.com)

Karl Busche, City of San Leandro Environmental Service Division, Civic Center, 835 East 14th Street, San Leandro, CA 94577 (email kbusche@ci.san-leandro.ca.us)

Shari Knieriem, Claims Review Unit, Underground Storage Tank Cleanup Fund, PO Box 944212, Sacramento, CA 94244-2120 (email sknieriem@waterboards.ca.gov)

Mark Detterman, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (email mark.detterman@acgov.org)

Nelson Lam, City of San Leandro - Engineering and Transportation Department, Civic Center, 835 E. 14th Street, San Leandro, CA 94577 (email: NLam@sanleandro.org)

Fact Sheet – Requirements for Submitting Technical Reports Under Section 13267 of the California Water Code

What does it mean when the Regional Water Board requires a technical report?
Section 13267[1] of the California Water Code provides that "…the regional board may require that any person who has discharged, discharges, or who is suspected of having discharged or discharging, or who proposes to discharge waste...that could affect the quality of waters...shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires."

This requirement for a technical report seems to mean that I am guilty of something, or at least responsible for cleaning something up. What if that is not so?
The requirement for a technical report is a tool the Regional Water Board uses to investigate water quality issues or problems. The information provided can be used by the Regional Water Board to clarify whether a given party has responsibility.

Are there limits to what the Regional Water Board can ask for?
Yes. The information required must relate to an actual or suspected or proposed discharge of waste (including discharges of waste where the initial discharge occurred many years ago), and the burden of compliance must bear a reasonable relationship to the need for the report and the benefits obtained. The Regional Water Board is required to explain the reasons for its request.

What if I can provide the information, but not by the date specified?
A time extension may be given for good cause. Your request should be promptly submitted in writing, giving reasons.

Are there penalties if I don't comply?
Depending on the situation, the Regional Water Board can impose a fine of up to $5,000 per day, and a court can impose fines of up to $25,000 per day as well as criminal penalties. A person who submits false information or fails to comply with a requirement to submit a technical report may be found guilty of a misdemeanor. For some reports, submission of false information may be a felony.

Do I have to use a consultant or attorney to comply?
There is no legal requirement for this, but as a practical matter, in most cases the specialized nature of the information required makes use of a consultant and/or attorney advisable.

What if I disagree with the 13267 requirements and the Regional Water Board staff will not change the requirement and/or date to comply?
You may ask that the Regional Water Board reconsider the requirement, and/or submit a petition to the State Water Resources Control Board. See California Water Code sections 13320 and 13321 for details. A request for reconsideration to the Regional Water Board does not affect the 30-day deadline within which to file a petition to the State Water Resources Control Board.

If I have more questions, whom do I ask?
Requirements for technical reports include the name, telephone number, and email address of the Regional Water Board staff contact.

Revised May 2012

[1] A[illegible] t[illegible] h[illegible] t[illegible] .[illegible].

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

February 1, 2013
Project No.: 2944-10

Cem Atabek
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612

Subject: Monitoring Well Survey
14901 East 14 Street
San Leandro, CA

Dear Cem:

This is to confirm that we have proceeded at your request to survey the monitoring wells located at the above referenced location. The survey was completed on January 22, 2013. The benchmark for this survey was a cinch nail in the top of catch basin at the northwest corner of 150th and East 14th Streets. The latitude, longitude and coordinates are for top of casings and are based on the Ca. State Coordinate System, Zone III (NAD83). Benchmark Elevation = 36.883 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				37.77	RIM MW-1
37.7058242	-122.1299297	2083574.75	6090167.20	37.57	TOC MW-1
				37.51	RIM MW-2
37.7057859	-122.1298007	2083560.18	6090204.30	37.32	TOC MW-2
				37.39	RIM MW-3
37.7056725	-122.1297523	2083518.63	6090217.56	37.03	TOC MW-3
				37.66	RIM MW-4
37.7056142	-122.1299066	2083498.21	6090172.57	37.30	TOC MW-4

Sincerely,

Virgil D. Chavez, PLS 6323

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: 14901 E 14th Street
Project No.: 401007005
Monitoring Well ID: MW-1

Date: 1/11/13 Sampler: DBB
Weather: cloudy cool
Vapor Monitoring Results (ppmv): BZ= WH=

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 19.81
Depth to Water (ft-TOC): 10.21
Floating Immiscible Layer Observed?: No
Floating Immiscible Layer Thickness (feet): NA

Water Column Height (feet): 9.60 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.54 x 3 = 4.62 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Indicator Cleaned: yes
Purging Method/Equipment: ~~Geo~~pump Peristaltic Pump Cleaned: yes
Pump Lines/Bailer Ropes-New or Cleaned?: New/Cleaned
Temp./pH Meter: Oakton Calibration (date/time): 1/11/13: 0820
Conductivity Meter: Oakton Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0828	1		19.0			7.05	744	V/light grey, non turbid, petrol odor, no sheen
0833	2		19.1			7.09	742	clear, " " " " " "
0838	3		19.3			7.15	751	" " " " " "
0844	4		19.3			7.16	753	" " " slight " "
0850	5		19.3			7.16	755	" " " " " "

Total Volume Purged (gallon): 5 Time Finished Purging: 0850

Sampling Method/Equipment: Disposable peristaltic pump
~~PVC Bailer~~

Bailer Rope-New or Cleaned?: ~~New~~ N/A
Sample Time: 0855
Sample ID: MW-1
Replicate ID (if appl.) None

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW-2*

Date: 1/11/13 Sampler: *DBB*
Weather: cloudy / cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): ~~20.50~~ 20.01
Depth to Water (ft-TOC): 10.01
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*
Water Column Height (feet): 10.49 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.66 x ~~10~~ 3 = ~~16.8~~ 5.0 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time): 1/11/13 ; 0820
Conductivity Meter: *Oakton* Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0952	1		19.5			7.21	668	v/light brown, non turbid, slight petrol odor, no sheen
0957	2		19.5			7.30	647	clear, " " " " " " "
1004	3		19.5			7.25	647	" " " " " " " "
1009	4		19.4			7.31	649	" " " " " " " "
1013	5		19.5			7.29	644	" " " " " " " "

Total Volume Purged (gallon): 5 Time Finished Purging: 1013

Sampling Method/Equipment: ~~*PVC Bailer*~~ *Disposable Peristaltic Pump*

Bailer Rope-New or Cleaned?: ~~New~~ NA
Sample Time: ~~1015~~ 1015
Sample ID: MW-2
Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW-3*

Date: 1/11/13 Sampler: *DBB*
Weather: cloudy/cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 20.52
Depth to Water (ft-TOC): 9.79
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): 10.73 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.72 x 3 = 5.2 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time): 1/11/13 : 0820
Conductivity Meter: *Oakton* Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1120	1		18.9			11.20	1278	clear, non turbid, no odor, no sheen
1126	2		18.8			11.24	1252	" " " " " "
1130	3		18.6			11.25	1241	" " " " " "
1135	4		18.8			11.26	1202	" " " " " "
1139	5.2		18.9			11.26	1198	" " " " " "

Total Volume Purged (gallon): 5.2 Time Finished Purging: 1139

Sampling Method/Equipment: ~~Disposable~~ peristaltic Pump
~~PVC Bailer~~

Bailer Rope-New or Cleaned?: ~~New~~ NA
Sample Time: 1145
Sample ID: MW-3
Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: 14901 E 14th Street
Project No.: 401007005
Monitoring Well ID: MW-4

Date: 1/11/13 Sampler: DBB
Weather: cloudy/cool
Vapor Monitoring Results (ppmv): BZ= WH=

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 20.10
Depth to Water (ft-TOC): 10.18
Floating Immiscible Layer Observed?: No
Floating Immiscible Layer Thickness (feet): NA

Water Column Height (feet): 9.92 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.59 x 3 = 4.8 Min. Purge Volume (gallons)

Water Level Measurement Equip.: Solinst Water Level Indicator Cleaned: yes
Purging Method/Equipment: Geopump Peristaltic Pump Cleaned: yes
Pump Lines/Bailer Ropes-New or Cleaned?: New/Cleaned
Temp./pH Meter: Oakton Calibration (date/time): 1/11/13: 0820
Conductivity Meter: Oakton Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1219	1		19.4			8.21	572	v/light brown, non-turbid, no odor, no sheen
1224	2		19.9			8.01	683	v/light brown, non turbid, " " " "
1229	3		20.0			7.79	684	" " " " " " " "
1233	4		19.5			7.71	674	clear, " " " " " "
1239	5		19.8		7.46 →		708	" " " " " "

Total Volume Purged (gallon): 5 Time Finished Purging: 1239

Sampling Method/Equipment: ~~Disposable~~ Peristaltic Pump
~~PVC Bailer~~

Bailer Rope-New or Cleaned?: ~~New~~ NA
Sample Time: 1245
Sample ID: MW-4
Replicate ID (if appl.) None

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07		

Generator and/or Consultant

Generator's Name and Billing Address: CITY OF SAN LEANDRO 835 EAST 14TH STREET SAN LEANDRO, CA 94577	Generator's Phone #: 510-577-3375 Person to Contact: FAX#:	 Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	 Customer Account Number
Generation Site (Transport from): *(name & address)* FORMER QUALITY TUNE UP SITE 14901 EAST 14TH ST. SAN LEANDRO, CA 94577	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001 Person to Contact: DELLENA JEFFREY FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 215457	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☒	5	Soil			
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Jose Gutierrez City of San Leandro	Jose Gutierrez	01	31	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Ron Green	Ron Green	01	31	13

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	

Please print or type.

GENERATOR/CONSULTANTS COPY

NO. 702552

NON-HAZARDOUS WASTE DATA FORM

BESI # 215457

GENERATOR

Generator's Name and Mailing Address
CITY OF SAN LEANDRO
835 EAST 14TH STREET
SAN LEANDRO, CA 94577

Generator's Site Address (if different than mailing address)
FORMER QUALITY TUNE UP SITE
14901 EAST 14TH ST.
SAN LEANDRO, CA 94577

Generator's Phone: 510-577-3375

Container type removed from site:
XX ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 5

Container type transported to receiving facility:
☐ Drums XX ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER
GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID XX ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTION CLOTHING

Generator Printed/Typed Name	Signature	Month	Day	Year
Jose Gutierrez City of San Leandro	Jose Gutierrez	01	31	13

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE
Phone#: 949-460-5200

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Ron Green	R Green	01	31	13

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC.
Phone#: 714-990-6855

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name	Signature	Month	Day	Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW-1*

Date: 12/28/12 Sampler: *DBB*
Weather: Overcast/cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC):
Depth to Water (ft-TOC): 9.74
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): ____ x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = ____ x 10 = ____ Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time):
Conductivity Meter: *Oakton* Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
0932	2		18.1			6.86	830	[redacted] brown, turbid, slight petrol odor, no sheen
0945	4		19.2			7.10	831	Brown turbid " " " "
0956	6		19.3			7.07	863	slight Brown/grey " " " " "
1010	8		18.4			7.24	669	v/light [redacted]grey, slightly turbid, " " " "
1021	10		19.5			7.15	788	v/light grey " " " " "
1030	12		19.5			7.13	789	clear-light grey, no turbidity " " " " "
1040	14		19.5			7.10	791	" " " " " " "
1050	17		19.6			7.11	786	clear " " " " "

Total Volume Purged (gallon): 17 Gallons Time Finished Purging: 1050

Sampling Method/Equipment: *Disposable PVC Bailer*

Bailer Rope-New or Cleaned?: *New*
Sample Time:
Sample ID:
Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW-2*

Date: 12/28/12 Sampler: *DBB*
Weather: overcast / cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC):
Depth to Water (ft-TOC): 9.51
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): _____ x 2" = 0.16, 4"=0.65, 6" = 1.47 gal/ft = _____ x 10 = _____ Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time):
Conductivity Meter: *Oakton* Calibration (date/time):
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1158	2		16.4			8.12	551	Brown, turb. 2, v/slight odor, no sheen
1207	4		18.4			7.66	698	" " " " " "
1215	6		19.7			7.51	792	light Brown, " " " " " "
1222	8		19.8			7.56	691	" " " " " " " "
1225	10		19.9			7.47	677	" " slightly turbid " " " "
1229	12		20.0			7.46	675	v/light Brown, not turbid, " " " "
1233	14		19.8			7.43	718	v/ " " " non turb. 2, " " " "
1236	16		19.8			7.36	667	" " " " " " " "
1241	18		20.0			7.40	662	v/light Brown to clear, slight odor, no sheen

Total Volume Purged (gallon): 18 Time Finished Purging: 1241

Sampling Method/Equipment: *Disposable PVC Bailer*
Bailer Rope-New or Cleaned?: *New*
Sample Time:
Sample ID:
Replicate ID (if appl.) *None*
Laboratory:
Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW-3*

Date: 12/28/12 Sampler: *DBB*
Weather: overcast / cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC):
Depth to Water (ft-TOC): 9.29
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*
Water Column Height (feet): ____ x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = ____ x 10 = ____ Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time):
Conductivity Meter: *Oakton* Calibration (date/time):
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1439	2		18.6			11.03	1142	Brown, turbid, no odor or sheen
1441	4		19.3			11.11	1169 light	" " " " " "
1445	6		19.3			11.19	1200	v/lite Brown, slightly turbid, no odor, no sheen
1447	8		19.4			11.21	1193	clear to lite Brown, non turbid " " " "
1449	10		19.8			11.21	1203	clear to light Brown, non turbid, no odor, no sheen
1452	12		19.8			11.16	1183	clear, non turbid, " " " "
1453	14		19.8			11.23	1181	" " " " " "
1455	16		19.9			11.24	1182	" " " " " "

Total Volume Purged (gallon): 16 Time Finished Purging: 1455

Sampling Method/Equipment: *Disposable PVC Bailer*

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Bailer Rope-New or Cleaned?: *New*
Sample Time:
Sample ID:
Replicate ID (if appl.) *None*

Laboratory:

Comments:

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: Quality Tune Ups

Site: *14901 E 14th Street*
Project No.: *401007005*
Monitoring Well ID: *MW- 4*

Date: 12/28/12 Sampler: *DBB*
Weather: overcast / cool
Vapor Monitoring Results (ppmv): *BZ=* *WH=*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC):
Depth to Water (ft-TOC): 9.69
Floating Immiscible Layer Observed?: *No*
Floating Immiscible Layer Thickness (feet): *NA*

Water Column Height (feet): ____ x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = ____ x 10 = ____ Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Solinst Water Level Indicator* Cleaned: *yes*
Purging Method/Equipment: *Geopump Peristaltic Pump* Cleaned: *yes*
Pump Lines/Bailer Ropes-New or Cleaned?: *New/Cleaned*
Temp./pH Meter: *Oakton* Calibration (date/time):
Conductivity Meter: *Oakton* Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0		

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	ORP	DO (%)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
	~~2~~ 2	1527	18.9			8.41	940	Brown, turb., no odor, no sheen
	4	1531	19.2			8.42	938	" " " " "
	6	1534	19.9			7.92	903	" " " " "
	8	1537	20.0			7.90	847	Light Brown, slightly turbid, no odor, no sheen
	10	1540	20.0			7.64	803	" " " " "
	12	1543	20.4			7.54	782	" " " " "
	14	1545	20.5			7.52	758	" " non turbid, " " "
	16	1548	20.6			7.48	788	" " " " "
	18	1552	20.3			7.49	770	" " " " "
	20	1553				7.48	774	" " " " "

Total Volume Purged (gallon): 20 Time Finished Purging: 1553

Sampling Method/Equipment: *Disposable PVC Bailer*

Bailer Rope-New or Cleaned?: *New*
Sample Time:
Sample ID:
Replicate ID (if appl.) *None*

Laboratory:

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/12/2012 By jamesy

Permit Numbers: W2012-0840 to W2012-0843
Permits Valid from 12/17/2012 to 12/18/2012

Application Id: 1354742623833
City of Project Site: San Leandro
Site Location: 14901 East 14th Street
Project Start Date: 12/17/2012
Completion Date: 12/18/2012
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Ninyo & Moore - Sarah Price
1956 Webster Street, Suite 400, Oakland, CA 94612
Phone: 510-343-3000 x5213

Property Owner: City of San Leandro
835 East 14th Street, San Leandro, CA 94577
Phone: --

Client: ** same as Property Owner **

Total Due: $1588.00
Receipt Number: WR2012-0392 **Total Amount Paid:** $1588.00
Payer Name : Ninyo & Moore Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Vapor Tech Services - Lic #: 916085 - Method: hstem **Work Total: $1588.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2012-0840	12/12/2012	03/17/2013	MW-1	8.00 in.	2.00 in.	2.50 ft	20.00 ft
W2012-0841	12/12/2012	03/17/2013	MW-2	8.00 in.	2.00 in.	2.50 ft	20.00 ft
W2012-0842	12/12/2012	03/17/2013	MW-3	8.00 in.	2.00 in.	2.50 ft	20.00 ft
W2012-0843	12/12/2012	03/17/2013	MW-4	8.00 in.	2.00 in.	2.50 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie.

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

APPENDIX B

BORING LOGS AND MONITORING WELL CONSTRUCTION SCHEMATIC

DATE DRILLED 12-18-12 BORING NO. MW-1

GROUND ELEVATION 37.5'± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT N/A DROP N/A

SAMPLED BY SFP LOGGED BY SFP REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SC	FILL: Light brown, damp, clayey fine to coarse grained SAND; gravel.
						0		CL	ALLUVIUM: Brown, damp, sandy CLAY.
5		■				0			
									Light brown.
						0			
10						0			
		■		▽		0			Wet.
15									
						0			Gray.
									Final depth = 20 feet bgs. Groundwater encountered at 13 feet bgs. Boring converted to monitoring well on 2-18-12.
20						0			

Ninyo & Moore

BORING LOG

SITE INVESTIGATION & GROUNDWATER MONITORING
WELL INSTALLATION, SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401007005	2/13	B-1

DATE DRILLED 12-17-12 BORING NO. MW-2

GROUND ELEVATION 37.5'± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT N/A DROP N/A

SAMPLED BY SFP LOGGED BY SFP REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SC	FILL: Gray brown, damp, clayey fine to coarse grained SAND; gravel.
						0		CL	ALLUVIUM: Dark brown, damp, sandy CLAY.
5		■				0			
									Light brown.
						0			
10						0			
		■		▽		0			Wet.
15						0			Gray.
						40			Petroleum odor.
		■							
									Final depth = 20 feet bgs. Groundwater encountered at 12 feet bgs. Boring converted to monitoring well on 2-17-12.
20						0			

Ninyo & Moore

BORING LOG

SITE INVESTIGATION & GROUNDWATER MONITORING
WELL INSTALLATION, SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401007005	2/13	B-2

DATE DRILLED 12-17-12 BORING NO. MW-3

GROUND ELEVATION 37.5'± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT N/A DROP N/A

SAMPLED BY SFP LOGGED BY SFP REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SC	FILL: Grayish brown, damp, clayey fine to coarse grained SAND; trace gravel.
						0		CL	ALLUVIUM: Dark brown, damp, sandy CLAY.
5		■							Gravel.
						0			
10		■		▽		0			Light brown, wet.
						0			
15									Grayish brown.
						0			
20						0			Final depth = 20 feet bgs. Groundwater encountered at 10 feet bgs. Boring converted to monitoring well on 2-17-12.

Ninyo & Moore

BORING LOG

SITE INVESTIGATION & GROUNDWATER MONITORING
WELL INSTALLATION, SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401007005	2/13	B-3

DATE DRILLED 12-18-12 BORING NO. MW-4

GROUND ELEVATION 37.5'± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH / AUGER

DRIVE WEIGHT N/A DROP N/A

SAMPLED BY SFP LOGGED BY SFP REVIEWED BY KML

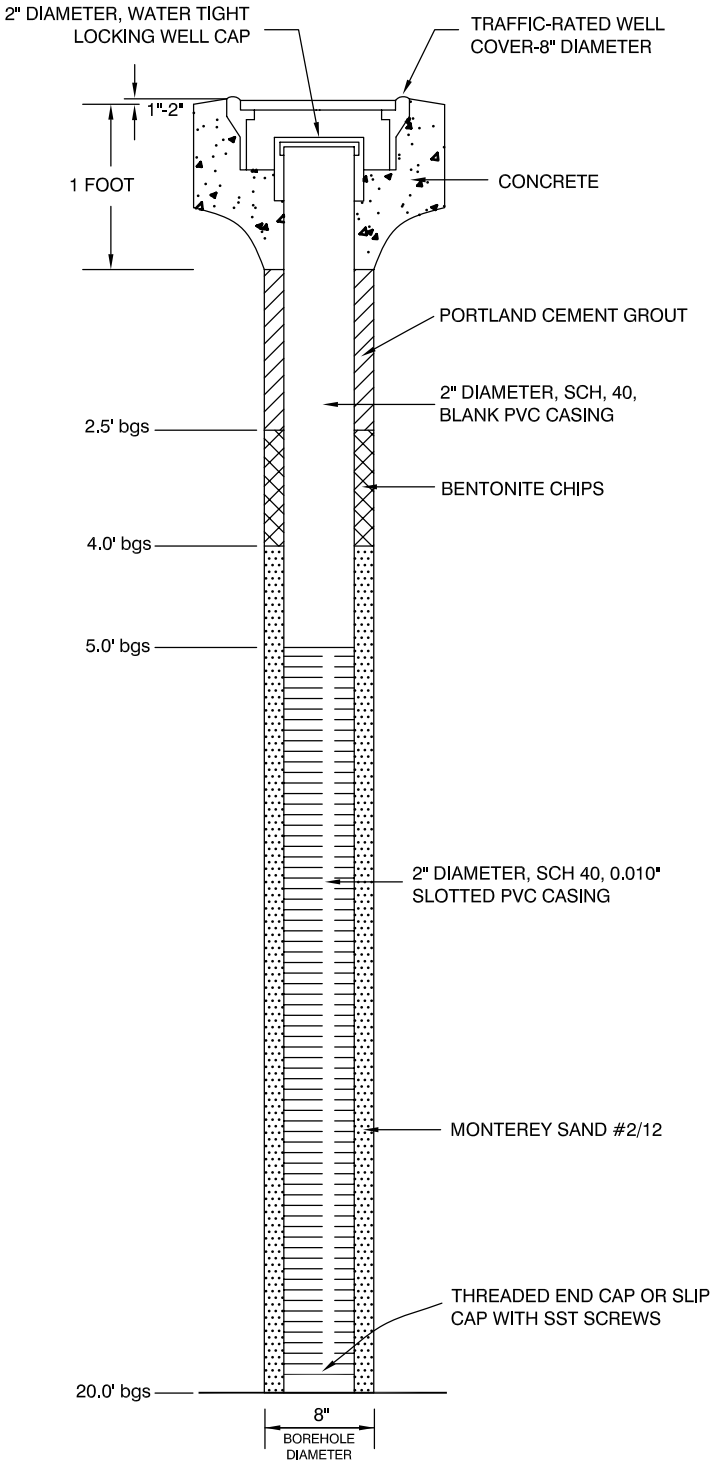
DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SM	ASPHALT FILL: Black, damp, silty fine grained SAND; trace gravel.
						0			
						0		CL	ALLUVIUM: Dark brown, damp, sandy CLAY.
5		■				0			
									Light brown.
						0			
10									
		■		▽		0			Wet.
									Grayish brown.
15						0			
									Final depth = 20 feet bgs. Groundwater encountered at 12 feet bgs. Boring converted to monitoring well on 2-18-12.
20						0			

Ninyo & Moore

BORING LOG

SITE INVESTIGATION & GROUNDWATER MONITORING
WELL INSTALLATION, SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401007005	2/13	B-4



TOTAL DEPTH = 20.0'

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	MONITORING WELL CONSTRUCTION SCHEMATIC	FIGURE
PROJECT NO. / DATE	FORMER QUALITY TUNE UP 14901 EAST 14th STREET SAN LEANDRO, CALIFORNIA	B-5
401007005 / 2/13		

APPENDIX C

LABORATORY ANALYTICAL REPORTS

ADVANCED TECHNOLOGY LABORATORIES

December 28, 2012

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Cem Atabek
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 772-7418
Fax:(510) 633-5646

Re: ATL Work Order Number : 1204502

Client Reference : City of San Leandro/E. 14th St, 401007005

Enclosed are the results for sample(s) received on December 19, 2012 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3-5	1204502-01	Soil	12/17/12 8:00	12/19/12 8:04
MW-3-10	1204502-02	Soil	12/17/12 8:15	12/19/12 8:04
MW-2-5	1204502-03	Soil	12/17/12 10:00	12/19/12 8:04
MW-2-12	1204502-04	Soil	12/17/12 10:15	12/19/12 8:04
MW-2-18	1204502-05	Soil	12/17/12 10:25	12/19/12 8:04
MW-1-5	1204502-06	Soil	12/18/12 9:55	12/19/12 8:04
MW-1-13	1204502-07	Soil	12/18/12 10:10	12/19/12 8:04
MW-4-5	1204502-08	Soil	12/18/12 8:15	12/19/12 8:04
MW-4-12	1204502-09	Soil	12/18/12 8:25	12/19/12 8:04

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-3-5

Lab ID: 1204502-01

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.77	NA	1	B2L0477	12/20/2012	12/20/12 11:59	
Surrogate: 4-Bromofluorobenzene	*88.6 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 11:59*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**2.8**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 13:12	
Surrogate: p-Terphenyl	*101 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 13:12*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1,1-Trichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1,2,2-Tetrachloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1,2-Trichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1-Dichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,1-Dichloropropene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2,3-Trichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2,3-Trichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2,4-Trichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2,4-Trimethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2-Dibromo-3-chloropropane	ND	8.1	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2-Dibromoethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2-Dichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,2-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,3,5-Trimethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,3-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,3-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
1,4-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
2,2-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
2-Chlorotoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
4-Chlorotoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-3-5

Lab ID: 1204502-01

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Benzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Bromobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Bromochloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Bromodichloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Bromoform	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Bromomethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Carbon disulfide	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Carbon tetrachloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Chlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Chloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Chloroform	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Chloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
cis-1,2-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
cis-1,3-Dichloropropene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Di-isopropyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Dibromochloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Dibromomethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Dichlorodifluoromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Ethyl Acetate	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Ethyl Ether	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Ethyl tert-butyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Ethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Freon-113	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Hexachlorobutadiene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Isopropylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
m,p-Xylene	ND	8.1	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Methylene chloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
MTBE	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
n-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
n-Propylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Naphthalene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
o-Xylene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
sec-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Styrene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
tert-Amyl methyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
tert-Butanol	ND	81	NA	1	B2L0482	12/17/2012	12/20/12 17:53	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-3-5

Lab ID: 1204502-01

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Tetrachloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Toluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
trans-1,2-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
trans-1,3-Dichloropropene	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Trichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Trichlorofluoromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Vinyl acetate	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Vinyl chloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 17:53	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*65 - 135*			B2L0482	12/17/2012	*12/20/12 17:53*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*57 - 126*			B2L0482	12/17/2012	*12/20/12 17:53*	
Surrogate: Dibromofluoromethane	*107 %*	*72 - 121*			B2L0482	12/17/2012	*12/20/12 17:53*	
Surrogate: Toluene-d8	*107 %*	*80 - 107*			B2L0482	12/17/2012	*12/20/12 17:53*	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-3-10

Lab ID: 1204502-02

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.84	NA	1	B2L0477	12/20/2012	12/20/12 12:14	
Surrogate: 4-Bromofluorobenzene	*88.1 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 12:14*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**3.0**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 13:29	
Surrogate: p-Terphenyl	*101 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 13:29*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1,1-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1,2,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1,2-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,1-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2,3-Trichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2,3-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2,4-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2,4-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2-Dibromo-3-chloropropane	ND	7.6	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2-Dibromoethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,3,5-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,3-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,3-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
1,4-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
2,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
2-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
4-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-3-10

Lab ID: 1204502-02

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Benzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Bromobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Bromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Bromodichloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Bromoform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Bromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Carbon disulfide	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Carbon tetrachloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Chlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Chloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Chloroform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Chloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
cis-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
cis-1,3-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Di-isopropyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Dibromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Dibromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Dichlorodifluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Ethyl Acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Ethyl Ether	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Ethyl tert-butyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Ethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Freon-113	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Hexachlorobutadiene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Isopropylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
m,p-Xylene	ND	7.6	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Methylene chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
MTBE	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
n-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
n-Propylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Naphthalene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
o-Xylene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
sec-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Styrene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
tert-Amyl methyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
tert-Butanol	ND	76	NA	1	B2L0482	12/17/2012	12/20/12 18:13	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-3-10

Lab ID: 1204502-02

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Tetrachloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Toluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
trans-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
trans-1,3-Dichloropropene	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Trichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Trichlorofluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Vinyl acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Vinyl chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:13	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*65 - 135*			B2L0482	12/17/2012	*12/20/12 18:13*	
Surrogate: 4-Bromofluorobenzene	*106 %*	*57 - 126*			B2L0482	12/17/2012	*12/20/12 18:13*	
Surrogate: Dibromofluoromethane	*105 %*	*72 - 121*			B2L0482	12/17/2012	*12/20/12 18:13*	
Surrogate: Toluene-d8	*105 %*	*80 - 107*			B2L0482	12/17/2012	*12/20/12 18:13*	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-2-5

Lab ID: 1204502-03

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.75	NA	1	B2L0477	12/20/2012	12/20/12 12:30	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 12:30*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	1.0	NA	1	B2L0536	12/26/2012	12/26/12 10:42	
Surrogate: p-Terphenyl	*107 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 10:42*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1,1-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1,2,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1,2-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,1-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2,3-Trichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2,3-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2,4-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2,4-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2-Dibromo-3-chloropropane	ND	7.7	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2-Dibromoethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,3,5-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,3-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,3-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
1,4-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
2,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
2-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
4-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-2-5

Lab ID: 1204502-03

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Benzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Bromobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Bromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Bromodichloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Bromoform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Bromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Carbon disulfide	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Carbon tetrachloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Chlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Chloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Chloroform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Chloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
cis-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
cis-1,3-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Di-isopropyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Dibromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Dibromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Dichlorodifluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Ethyl Acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Ethyl Ether	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Ethyl tert-butyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Ethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Freon-113	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Hexachlorobutadiene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Isopropylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
m,p-Xylene	ND	7.7	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Methylene chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
MTBE	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
n-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
n-Propylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Naphthalene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
o-Xylene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
sec-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Styrene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
tert-Amyl methyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
tert-Butanol	ND	77	NA	1	B2L0482	12/17/2012	12/20/12 18:32	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-2-5

Lab ID: 1204502-03

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Tetrachloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Toluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
trans-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
trans-1,3-Dichloropropene	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Trichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Trichlorofluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Vinyl acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Vinyl chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 18:32	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*65 - 135*			B2L0482	12/17/2012	*12/20/12 18:32*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*57 - 126*			B2L0482	12/17/2012	*12/20/12 18:32*	
Surrogate: Dibromofluoromethane	*108 %*	*72 - 121*			B2L0482	12/17/2012	*12/20/12 18:32*	
Surrogate: Toluene-d8	*106 %*	*80 - 107*			B2L0482	12/17/2012	*12/20/12 18:32*	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-2-12

Lab ID: 1204502-04

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.78	NA	1	B2L0477	12/20/2012	12/20/12 12:46	
Surrogate: 4-Bromofluorobenzene	*88.3 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 12:46*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	1.0	NA	1	B2L0536	12/26/2012	12/26/12 10:59	
Surrogate: p-Terphenyl	*106 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 10:59*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1,1-Trichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1,2,2-Tetrachloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1,2-Trichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1-Dichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,1-Dichloropropene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2,3-Trichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2,3-Trichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2,4-Trichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2,4-Trimethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2-Dibromo-3-chloropropane	ND	8.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2-Dibromoethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2-Dichloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,2-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,3,5-Trimethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,3-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,3-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
1,4-Dichlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
2,2-Dichloropropane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
2-Chlorotoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
4-Chlorotoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-2-12

Lab ID: 1204502-04

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Benzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Bromobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Bromochloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Bromodichloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Bromoform	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Bromomethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Carbon disulfide	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Carbon tetrachloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Chlorobenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Chloroethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Chloroform	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Chloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
cis-1,2-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
cis-1,3-Dichloropropene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Di-isopropyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Dibromochloromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Dibromomethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Dichlorodifluoromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Ethyl Acetate	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Ethyl Ether	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Ethyl tert-butyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Ethylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Freon-113	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Hexachlorobutadiene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Isopropylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
m,p-Xylene	ND	8.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Methylene chloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
MTBE	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
n-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
n-Propylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Naphthalene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
o-Xylene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
sec-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Styrene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
tert-Amyl methyl ether	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
tert-Butanol	ND	80	NA	1	B2L0482	12/17/2012	12/20/12 18:51	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-2-12

Lab ID: 1204502-04

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Tetrachloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Toluene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
trans-1,2-Dichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
trans-1,3-Dichloropropene	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Trichloroethene	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Trichlorofluoromethane	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Vinyl acetate	ND	40	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Vinyl chloride	ND	4.0	NA	1	B2L0482	12/17/2012	12/20/12 18:51	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*65 - 135*			B2L0482	12/17/2012	*12/20/12 18:51*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*57 - 126*			B2L0482	12/17/2012	*12/20/12 18:51*	
Surrogate: Dibromofluoromethane	*109 %*	*72 - 121*			B2L0482	12/17/2012	*12/20/12 18:51*	
Surrogate: Toluene-d8	*106 %*	*80 - 107*			B2L0482	12/17/2012	*12/20/12 18:51*	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-2-18
Lab ID: 1204502-05

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**10**	0.84	NA	1	B2L0477	12/20/2012	12/20/12 13:01	
Surrogate: 4-Bromofluorobenzene	*346 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 13:01*	S7

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**3.9**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 12:22	
Surrogate: p-Terphenyl	*93.9 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 12:22*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1,1-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1,2,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1,2-Trichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,1-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2,3-Trichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2,3-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2,4-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2,4-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2-Dibromo-3-chloropropane	ND	7.6	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2-Dibromoethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2-Dichloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,3,5-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,3-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,3-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
1,4-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
2,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
2-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
4-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-2-18

Lab ID: 1204502-05

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Benzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Bromobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Bromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Bromodichloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Bromoform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Bromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Carbon disulfide	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Carbon tetrachloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Chlorobenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Chloroethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Chloroform	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Chloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
cis-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
cis-1,3-Dichloropropene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Di-isopropyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Dibromochloromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Dibromomethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Dichlorodifluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Ethyl Acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Ethyl Ether	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Ethyl tert-butyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Ethylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Freon-113	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Hexachlorobutadiene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Isopropylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
m,p-Xylene	ND	7.6	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Methylene chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
MTBE	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
n-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
n-Propylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Naphthalene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
o-Xylene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
sec-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Styrene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
tert-Amyl methyl ether	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
tert-Butanol	ND	76	NA	1	B2L0482	12/17/2012	12/20/12 21:09	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-2-18

Lab ID: 1204502-05

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Tetrachloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Toluene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
trans-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
trans-1,3-Dichloropropene	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Trichloroethene	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Trichlorofluoromethane	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Vinyl acetate	ND	38	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Vinyl chloride	ND	3.8	NA	1	B2L0482	12/17/2012	12/20/12 21:09	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*65 - 135*			B2L0482	12/17/2012	*12/20/12 21:09*	
Surrogate: 4-Bromofluorobenzene	*206 %*	*57 - 126*			B2L0482	12/17/2012	*12/20/12 21:09*	S10
Surrogate: Dibromofluoromethane	*106 %*	*72 - 121*			B2L0482	12/17/2012	*12/20/12 21:09*	
Surrogate: Toluene-d8	*93.1 %*	*80 - 107*			B2L0482	12/17/2012	*12/20/12 21:09*	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-1-5

Lab ID: 1204502-06

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.79	NA	1	B2L0477	12/20/2012	12/20/12 13:32	
Surrogate: 4-Bromofluorobenzene	*93.3 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 13:32*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**1.6**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 12:05	
Surrogate: p-Terphenyl	*92.9 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 12:05*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1,1-Trichloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1,2,2-Tetrachloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1,2-Trichloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1-Dichloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1-Dichloroethene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,1-Dichloropropene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2,3-Trichloropropane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2,3-Trichlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2,4-Trichlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2,4-Trimethylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2-Dibromo-3-chloropropane	ND	8.7	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2-Dibromoethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2-Dichlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2-Dichloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,2-Dichloropropane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,3,5-Trimethylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,3-Dichlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,3-Dichloropropane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
1,4-Dichlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
2,2-Dichloropropane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
2-Chlorotoluene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
4-Chlorotoluene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-1-5

Lab ID: 1204502-06

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Benzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Bromobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Bromochloromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Bromodichloromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Bromoform	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Bromomethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Carbon disulfide	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Carbon tetrachloride	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Chlorobenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Chloroethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Chloroform	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Chloromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
cis-1,2-Dichloroethene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
cis-1,3-Dichloropropene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Di-isopropyl ether	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Dibromochloromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Dibromomethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Dichlorodifluoromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Ethyl Acetate	ND	43	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Ethyl Ether	ND	43	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Ethyl tert-butyl ether	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Ethylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Freon-113	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Hexachlorobutadiene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Isopropylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
m,p-Xylene	ND	8.7	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Methylene chloride	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
MTBE	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
n-Butylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
n-Propylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Naphthalene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
o-Xylene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
sec-Butylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Styrene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
tert-Amyl methyl ether	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
tert-Butanol	ND	87	NA	1	B2L0482	12/18/2012	12/20/12 19:11	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-1-5

Lab ID: 1204502-06

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Tetrachloroethene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Toluene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
trans-1,2-Dichloroethene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
trans-1,3-Dichloropropene	ND	43	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Trichloroethene	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Trichlorofluoromethane	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Vinyl acetate	ND	43	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Vinyl chloride	ND	4.3	NA	1	B2L0482	12/18/2012	12/20/12 19:11	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*65 - 135*			B2L0482	12/18/2012	*12/20/12 19:11*	
Surrogate: 4-Bromofluorobenzene	*104 %*	*57 - 126*			B2L0482	12/18/2012	*12/20/12 19:11*	
Surrogate: Dibromofluoromethane	*109 %*	*72 - 121*			B2L0482	12/18/2012	*12/20/12 19:11*	
Surrogate: Toluene-d8	*105 %*	*80 - 107*			B2L0482	12/18/2012	*12/20/12 19:11*	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-1-13

Lab ID: 1204502-07

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.76	NA	1	B2L0477	12/20/2012	12/20/12 13:48	
Surrogate: 4-Bromofluorobenzene	*90.3 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 13:48*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**1.2**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 11:49	
Surrogate: p-Terphenyl	*100 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 11:49*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1,1-Trichloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1,2,2-Tetrachloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1,2-Trichloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1-Dichloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1-Dichloroethene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,1-Dichloropropene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2,3-Trichloropropane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2,3-Trichlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2,4-Trichlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2,4-Trimethylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2-Dibromo-3-chloropropane	ND	7.8	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2-Dibromoethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2-Dichlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2-Dichloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,2-Dichloropropane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,3,5-Trimethylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,3-Dichlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,3-Dichloropropane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
1,4-Dichlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
2,2-Dichloropropane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
2-Chlorotoluene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
4-Chlorotoluene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-1-13

Lab ID: 1204502-07

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Benzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Bromobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Bromochloromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Bromodichloromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Bromoform	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Bromomethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Carbon disulfide	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Carbon tetrachloride	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Chlorobenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Chloroethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Chloroform	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Chloromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
cis-1,2-Dichloroethene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
cis-1,3-Dichloropropene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Di-isopropyl ether	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Dibromochloromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Dibromomethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Dichlorodifluoromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Ethyl Acetate	ND	39	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Ethyl Ether	ND	39	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Ethyl tert-butyl ether	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Ethylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Freon-113	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Hexachlorobutadiene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Isopropylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
m,p-Xylene	ND	7.8	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Methylene chloride	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
MTBE	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
n-Butylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
n-Propylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Naphthalene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
o-Xylene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
sec-Butylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Styrene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
tert-Amyl methyl ether	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
tert-Butanol	ND	78	NA	1	B2L0482	12/18/2012	12/20/12 19:50	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-1-13

Lab ID: 1204502-07

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Tetrachloroethene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Toluene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
trans-1,2-Dichloroethene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
trans-1,3-Dichloropropene	ND	39	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Trichloroethene	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Trichlorofluoromethane	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Vinyl acetate	ND	39	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Vinyl chloride	ND	3.9	NA	1	B2L0482	12/18/2012	12/20/12 19:50	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*65 - 135*			B2L0482	12/18/2012	*12/20/12 19:50*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*57 - 126*			B2L0482	12/18/2012	*12/20/12 19:50*	
Surrogate: Dibromofluoromethane	*109 %*	*72 - 121*			B2L0482	12/18/2012	*12/20/12 19:50*	
Surrogate: Toluene-d8	*107 %*	*80 - 107*			B2L0482	12/18/2012	*12/20/12 19:50*	S1

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-4-5

Lab ID: 1204502-08

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.78	NA	1	B2L0477	12/20/2012	12/20/12 14:03	
Surrogate: 4-Bromofluorobenzene	*79.3 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 14:03*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**1.1**	1.0	NA	1	B2L0536	12/26/2012	12/26/12 11:32	
Surrogate: p-Terphenyl	*102 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 11:32*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1,1-Trichloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1,2,2-Tetrachloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1,2-Trichloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1-Dichloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1-Dichloroethene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,1-Dichloropropene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2,3-Trichloropropane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2,3-Trichlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2,4-Trichlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2,4-Trimethylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2-Dibromo-3-chloropropane	ND	8.2	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2-Dibromoethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2-Dichlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2-Dichloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,2-Dichloropropane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,3,5-Trimethylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,3-Dichlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,3-Dichloropropane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
1,4-Dichlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
2,2-Dichloropropane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
2-Chlorotoluene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
4-Chlorotoluene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-4-5

Lab ID: 1204502-08

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Benzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Bromobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Bromochloromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Bromodichloromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Bromoform	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Bromomethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Carbon disulfide	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Carbon tetrachloride	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Chlorobenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Chloroethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Chloroform	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Chloromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
cis-1,2-Dichloroethene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
cis-1,3-Dichloropropene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Di-isopropyl ether	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Dibromochloromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Dibromomethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Dichlorodifluoromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Ethyl Acetate	ND	41	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Ethyl Ether	ND	41	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Ethyl tert-butyl ether	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Ethylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Freon-113	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Hexachlorobutadiene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Isopropylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
m,p-Xylene	ND	8.2	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Methylene chloride	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
MTBE	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
n-Butylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
n-Propylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Naphthalene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
o-Xylene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
sec-Butylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Styrene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
tert-Amyl methyl ether	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
tert-Butanol	ND	82	NA	1	B2L0482	12/18/2012	12/20/12 19:30	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-4-5

Lab ID: 1204502-08

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Tetrachloroethene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Toluene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
trans-1,2-Dichloroethene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
trans-1,3-Dichloropropene	ND	41	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Trichloroethene	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Trichlorofluoromethane	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Vinyl acetate	ND	41	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Vinyl chloride	ND	4.1	NA	1	B2L0482	12/18/2012	12/20/12 19:30	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*65 - 135*			B2L0482	12/18/2012	*12/20/12 19:30*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*57 - 126*			B2L0482	12/18/2012	*12/20/12 19:30*	
Surrogate: Dibromofluoromethane	*108 %*	*72 - 121*			B2L0482	12/18/2012	*12/20/12 19:30*	
Surrogate: Toluene-d8	*106 %*	*80 - 107*			B2L0482	12/18/2012	*12/20/12 19:30*	

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Client Sample ID MW-4-12

Lab ID: 1204502-09

Gasoline Range Organics by EPA 8015B (5035)

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.76	NA	1	B2L0477	12/20/2012	12/20/12 14:19	
Surrogate: 4-Bromofluorobenzene	*93.8 %*	*66 - 158*			B2L0477	12/20/2012	*12/20/12 14:19*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	1.0	NA	1	B2L0536	12/26/2012	12/26/12 11:15	
Surrogate: p-Terphenyl	*105 %*	*39 - 123*			B2L0536	12/26/2012	*12/26/12 11:15*	

Volatile Organic Compounds by EPA 5035/EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1,1-Trichloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1,2,2-Tetrachloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1,2-Trichloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1-Dichloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1-Dichloroethene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,1-Dichloropropene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2,3-Trichloropropane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2,3-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2,4-Trichlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2,4-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2-Dibromo-3-chloropropane	ND	7.6	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2-Dibromoethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2-Dichloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,3,5-Trimethylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,3-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,3-Dichloropropane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
1,4-Dichlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
2,2-Dichloropropane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
2-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
4-Chlorotoluene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-4-12

Lab ID: 1204502-09

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Isopropyltoluene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Benzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Bromobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Bromochloromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Bromodichloromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Bromoform	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Bromomethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Carbon disulfide	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Carbon tetrachloride	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Chlorobenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Chloroethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Chloroform	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Chloromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
cis-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
cis-1,3-Dichloropropene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Di-isopropyl ether	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Dibromochloromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Dibromomethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Dichlorodifluoromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Ethyl Acetate	ND	38	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Ethyl Ether	ND	38	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Ethyl tert-butyl ether	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Ethylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Freon-113	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Hexachlorobutadiene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Isopropylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
m,p-Xylene	ND	7.6	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Methylene chloride	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
MTBE	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
n-Butylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
n-Propylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Naphthalene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
o-Xylene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
sec-Butylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Styrene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
tert-Amyl methyl ether	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
tert-Butanol	ND	76	NA	1	B2L0482	12/18/2012	12/20/12 20:10	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Client Sample ID MW-4-12

Lab ID: 1204502-09

Volatile Organic Compounds by EPA 5035/EPA 8260 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butylbenzene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Tetrachloroethene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Toluene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
trans-1,2-Dichloroethene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
trans-1,3-Dichloropropene	ND	38	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Trichloroethene	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Trichlorofluoromethane	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Vinyl acetate	ND	38	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Vinyl chloride	ND	3.8	NA	1	B2L0482	12/18/2012	12/20/12 20:10	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*65 - 135*			B2L0482	12/18/2012	*12/20/12 20:10*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*57 - 126*			B2L0482	12/18/2012	*12/20/12 20:10*	
Surrogate: Dibromofluoromethane	*110 %*	*72 - 121*			B2L0482	12/18/2012	*12/20/12 20:10*	
Surrogate: Toluene-d8	*107 %*	*80 - 107*			B2L0482	12/18/2012	*12/20/12 20:10*	

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B (5035) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2L0477 - GCVOAS									
Blank (B2L0477-BLK1)					Prepared: 12/20/2012 Analyzed: 12/20/2012				
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.07632*		*0.100000*		*76.3*	*66 - 158*			
LCS (B2L0477-BS1)					Prepared: 12/20/2012 Analyzed: 12/20/2012				
Gasoline Range Organics	5.17600		5.00000		104	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1061*		*0.100000*		*106*	*66 - 158*			
LCS Dup (B2L0477-BSD1)					Prepared: 12/20/2012 Analyzed: 12/20/2012				
Gasoline Range Organics	4.72100		5.00000		94.4	70 - 130	9.19	20	
Surrogate: 4-Bromofluorobenzene	*0.1006*		*0.100000*		*101*	*66 - 158*			
Matrix Spike (B2L0477-MS1)		**Source: 1204504-01**			Prepared: 12/20/2012 Analyzed: 12/20/2012				
Gasoline Range Organics	4.09400		5.00000	0.184000	78.2	49 - 117			
Surrogate: 4-Bromofluorobenzene	*0.09774*		*0.100000*		*97.7*	*66 - 158*			
Matrix Spike Dup (B2L0477-MSD1)		**Source: 1204504-01**			Prepared: 12/20/2012 Analyzed: 12/20/2012				
Gasoline Range Organics	3.87600		5.00000	0.184000	73.8	49 - 117	5.47	20	
Surrogate: 4-Bromofluorobenzene	*0.09476*		*0.100000*		*94.8*	*66 - 158*			

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2L0536 - GCSEMI_DRO_SOIL_LL									
Blank (B2L0536-BLK1)					Prepared: 12/26/2012 Analyzed: 12/26/2012				
DRO	ND	1.0			NR				
Surrogate: p-Terphenyl	*1.581*		*2.66667*		*59.3*	*39 - 123*			
LCS (B2L0536-BS1)					Prepared: 12/26/2012 Analyzed: 12/26/2012				
DRO	26.3230	1.0	33.3333		79.0	37 - 109			
Surrogate: p-Terphenyl	*2.358*		*2.66667*		*88.4*	*39 - 123*			
Matrix Spike (B2L0536-MS1)		**Source: 1204502-03**			Prepared: 12/26/2012 Analyzed: 12/26/2012				
DRO	19.0303	1.0	33.3333	ND	57.1	29 - 107			
Surrogate: p-Terphenyl	*2.014*		*2.66667*		*75.5*	*39 - 123*			
Matrix Spike Dup (B2L0536-MSD1)		**Source: 1204502-03**			Prepared: 12/26/2012 Analyzed: 12/26/2012				
DRO	26.1723	1.0	33.3333	ND	78.5	29 - 107	31.6	20	R
Surrogate: p-Terphenyl	*2.767*		*2.66667*		*104*	*39 - 123*			

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2L0482 - MSVOAS									
Blank (B2L0482-BLK1)				Prepared: 12/20/2012 Analyzed: 12/20/2012					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2L0482 - MSVOAS (continued)									
Blank (B2L0482-BLK1) - Continued					Prepared: 12/20/2012 Analyzed: 12/20/2012				
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	50			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*48.36*		*50.0000*		*96.7*	*65 - 135*			
Surrogate: 4-Bromofluorobenzene	*50.19*		*50.0000*		*100*	*57 - 126*			
Surrogate: Dibromofluoromethane	*50.57*		*50.0000*		*101*	*72 - 121*			
Surrogate: Toluene-d8	*51.89*		*50.0000*		*104*	*80 - 107*			
LCS (B2L0482-BS1)					Prepared: 12/20/2012 Analyzed: 12/20/2012				
1,1-Dichloroethene	49.0300	5.0	50.0000		98.1	70 - 130			
Benzene	103.670	5.0	100.000		104	70 - 130			
Chlorobenzene	52.4500	5.0	50.0000		105	70 - 130			
MTBE	50.4300	5.0	50.0000		101	70 - 130			
Toluene	99.8000	5.0	100.000		99.8	70 - 130			
Trichloroethene	50.7100	5.0	50.0000		101	70 - 130			
Surrogate: 1,2-Dichloroethane-d4	*49.42*		*50.0000*		*98.8*	*65 - 135*			

Certificate of Analysis

Ninyo & Moore	Project Number : City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 12/28/2012

Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B2L0482 - MSVOAS (continued)									
LCS (B2L0482-BS1) - Continued				Prepared: 12/20/2012 Analyzed: 12/20/2012					
Surrogate: 4-Bromofluorobenzene	*51.74*		*50.0000*		*103*	*57 - 126*			
Surrogate: Dibromofluoromethane	*50.62*		*50.0000*		*101*	*72 - 121*			
Surrogate: Toluene-d8	*53.21*		*50.0000*		*106*	*80 - 107*			
LCS Dup (B2L0482-BSD1)				Prepared: 12/20/2012 Analyzed: 12/20/2012					
1,1-Dichloroethene	48.6600	5.0	50.0000		97.3	70 - 130	0.757	20	
Benzene	101.050	5.0	100.000		101	70 - 130	2.56	20	
Chlorobenzene	51.3700	5.0	50.0000		103	70 - 130	2.08	20	
MTBE	51.0800	5.0	50.0000		102	70 - 130	1.28	20	
Toluene	98.2200	5.0	100.000		98.2	70 - 130	1.60	20	
Trichloroethene	49.9700	5.0	50.0000		99.9	70 - 130	1.47	20	
Surrogate: 1,2-Dichloroethane-d4	*49.20*		*50.0000*		*98.4*	*65 - 135*			
Surrogate: 4-Bromofluorobenzene	*51.71*		*50.0000*		*103*	*57 - 126*			
Surrogate: Dibromofluoromethane	*52.57*		*50.0000*		*105*	*72 - 121*			
Surrogate: Toluene-d8	*53.19*		*50.0000*		*106*	*80 - 107*			
Matrix Spike (B2L0482-MS1)		**Source: 1204431-04**		Prepared: 12/20/2012 Analyzed: 12/20/2012					
1,1-Dichloroethene	45.7800	5.0	50.0000	ND	91.6	70 - 130			
Benzene	92.7300	5.0	100.000	ND	92.7	70 - 130			
Chlorobenzene	46.0400	5.0	50.0000	ND	92.1	70 - 130			
MTBE	45.5300	5.0	50.0000	ND	91.1	70 - 130			
Toluene	90.8100	5.0	100.000	ND	90.8	70 - 130			
Trichloroethene	47.6100	5.0	50.0000	ND	95.2	70 - 130			
Surrogate: 1,2-Dichloroethane-d4	*53.60*		*50.0000*		*107*	*65 - 135*			
Surrogate: 4-Bromofluorobenzene	*50.55*		*50.0000*		*101*	*57 - 126*			
Surrogate: Dibromofluoromethane	*52.90*		*50.0000*		*106*	*72 - 121*			
Surrogate: Toluene-d8	*53.50*		*50.0000*		*107*	*80 - 107*			
Matrix Spike Dup (B2L0482-MSD1)		**Source: 1204431-04**		Prepared: 12/20/2012 Analyzed: 12/20/2012					
1,1-Dichloroethene	45.6100	5.0	50.0000	ND	91.2	70 - 130	0.372	20	
Benzene	91.8900	5.0	100.000	ND	91.9	70 - 130	0.910	20	
Chlorobenzene	44.9500	5.0	50.0000	ND	89.9	70 - 130	2.40	20	
MTBE	43.3500	5.0	50.0000	ND	86.7	70 - 130	4.91	20	
Toluene	88.9400	5.0	100.000	ND	88.9	70 - 130	2.08	20	
Trichloroethene	46.6600	5.0	50.0000	ND	93.3	70 - 130	2.02	20	
Surrogate: 1,2-Dichloroethane-d4	*51.76*		*50.0000*		*104*	*65 - 135*			
Surrogate: 4-Bromofluorobenzene	*50.83*		*50.0000*		*102*	*57 - 126*			
Surrogate: Dibromofluoromethane	*51.45*		*50.0000*		*103*	*72 - 121*			
Surrogate: Toluene-d8	*52.60*		*50.0000*		*105*	*80 - 107*			

Certificate of Analysis

Ninyo & Moore		Project Number :	City of San Leandro/E. 14th St, 40100700
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	12/28/2012

Notes and Definitions

S7	Surrogate recovery was above laboratory acceptance limit. Chromatogram shows high concentration of heavy hydrocarbons.
S10	Surrogate recovery outside of laboratory acceptance limit possibly due to matrix interference.
S1	Surrogate recovery was above laboratory acceptance limit. No target analyte was detected in the sample.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

CHAIN OF CUSTODY RECORD

Pg 1 of 1

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print): Sarah Price
Signature: Sarah Price

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☑ GSO ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED 5.5 Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo and Moore
Attn: Cem Atabek
Address: 1956 Webster Street Ste 400
City: Oakland State: CA Zip Code: 94612
TEL: 510-343-3000
FAX: 510-343-3001

Project Name: City of San Leandro/E. 14th St Project #: 401007005
Sampler: (Printed Name) Sarah Price (Signature) Sarah Price

Relinquished by: (Signature and Printed Name) Sarah Price	Date: 12/14/12	Time: 1450	Received by: (Signature and Printed Name) Jeff Siegfried	Date: 12/18/12	Time: 730
Relinquished by: (Signature and Printed Name) Jeff Siegfried	Date: 12/18/12	Time: 3:08pm	Received by: (Signature and Printed Name) GSO	Date: 12/18/12	Time: 308
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) C. Smith	Date: 12/19	Time: 604

Bill To:
Attn: Cem Atabek E-mail: catabek@ninyoandmoore.com
Company: Ninyo & Moore
Address: 1956 Webster St Ste 400
City: Oakland State: CA Zip: 94612

Send Report To:
Attn: Cem Atabek E-mail: same
Company: same
Address: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
Hardcopy Reports $17.50 per report.

CIRCLE or Write IN Analyses Needed

CIRCLE APPROPRIATE MATRIX

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260-624 (Volatiles) Full Suite	8015B (GRO) / ~~8021 (BTEX)~~	TO-15 / TO-14 / TO-3 / RSK-175	8270B-625(BNA) / 8310(PAHs)	8015B(DRO)/~~8015B(Hexane)~~	8081 OrgCl / 8141 OrgPO4 Pest	8082 PCBs	6010B-200.7 CAM Metals	6010B-200.7 Metals	6020B-200.8-1640 Metals	7199-218.6 (Hex. Chromium)	300(Anions) / 314 (Perchlorate)	SOIL/SEDIMENT/SLUDGE	SOLIDS/WIPES/FILTERS	WATER-DRINKING/GROUND	WATER-STORM/WASTE	AQUEOUS/LAYERED-OIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	1204502 -1	MW-3-5	12/17/12	0800	X	X		X									X					5days	7	2/5/1	X	5035 VOAs
2	-2	MW-3-10		0815																						
3	-3	MW-2-5		1000																						
4	-4	MW-2-12		1015																						
5	-5	MW-2-18		1025																						
6	-6	MW-1-5	12/18/12	0955																						
7	-7	MW-1-13		1010																						
8	-8	MW-4-5		0815																						
9	-9	MW-4-12		0825																						
10																										

QA/QC
RTNE ☐
CT ☐
Legal ☐
SWRCB ☐ Logcode____
OTHER ____

☐ Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.
Weekend, Holiday, Off Hours Work ASK for QUOTE
Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7= Canister
Material: 1=Glass 2=Plastic 3=Metal
Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM ☐	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM ☐	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM ☐	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM ☐	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM ☐	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM ☐	10% DISCOUNT 10th BUSINESS DAY 5:30 PM ☐

For RUSH TCLP/STLC, add 2 days to respective TAT.
Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

Carmen Aguila

From: Rachelle Arada
Sent: Tuesday, December 18, 2012 4:50 PM
To: Carmen Aguila
Cc: customer.relations@atlglobal.com
Subject: FW: Analysis for project # 401007005

From: Cem Atabek [mailto:catabek@ninyoandmoore.com]
Sent: Tuesday, December 18, 2012 4:23 PM
To: Rachelle Arada
Subject: Analysis for project # 401007005

Hi Rachelle, for the samples to arrive tomorrow for our project 401007005, please analyze VOCs plus oxygenates, not the full list of VOCs as indicated on the COC.

Thanks

Cem R. Atabek
Project Engineer
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000
(510) 343-3001 (Fax)
catabek@ninyoandmoore.com

New San Jose office
2149 O'Toole Avenue, Suite 10
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

Experience · Quality · Commitment
"Celebrating 25 Years"

ADVANCED TECHNOLOGY LABORATORIES

January 21, 2013

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Cem Atabek
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 772-7418
Fax:(510) 633-5646

Re: ATL Work Order Number : 1300113

Client Reference : Former Quality Tune Up, 401007005

Enclosed are the results for sample(s) received on January 14, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

Ninyo & Moore		Project Number :	Former Quality Tune Up, 401007005
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	01/21/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1300113-01	Groundwater	1/11/13 8:55	1/14/13 8:30
MW-2	1300113-02	Groundwater	1/11/13 10:15	1/14/13 8:30
MW-3	1300113-03	Groundwater	1/11/13 11:45	1/14/13 8:30
MW-4	1300113-04	Groundwater	1/11/13 12:45	1/14/13 8:30

CASE NARRATIVE

Sample Receiving/General Comments

One vial bagged together with sample ID MW-1 was not labeled but indicates time as 0855.

Certificate of Analysis

Ninyo & Moore	Project Number : Former Quality Tune Up, 401007005
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 01/21/2013

Client Sample ID MW-1

Lab ID: 1300113-01

Gasoline Range Organics by EPA 8015B

Analyst: LT

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.05**	0.05	NA	1	B3A0346	01/15/2013	01/15/13 11:48	
Surrogate: 4-Bromofluorobenzene	*82.6 %*	*70 - 130*			B3A0346	01/15/2013	*01/15/13 11:48*	

Diesel Range Organics by EPA 8015B (SGT)

Analyst: CR

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	0.05	NA	1	B3A0355	01/15/2013	01/16/13 09:48	
Surrogate: p-Terphenyl	*94.9 %*	*48 - 124*			B3A0355	01/15/2013	*01/16/13 09:48*	

Volatile Organic Compounds by EPA 8260

Analyst: SL

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1,1-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1,2-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,1-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2,3-Trichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2-Dibromoethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,3-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,3-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
1,4-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
2,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
2-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	

Certificate of Analysis

Ninyo & Moore	Project Number : Former Quality Tune Up, 401007005
1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 01/21/2013

Client Sample ID MW-1

Lab ID: 1300113-01

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
4-Isopropyltoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Benzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Bromobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Bromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Bromodichloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Bromoform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Bromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Carbon disulfide	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Carbon tetrachloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Chlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Chloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Chloroform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Chloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Di-isopropyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Dibromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Dibromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Dichlorodifluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Ethyl Acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Ethyl Ether	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Ethyl tert-butyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Ethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Freon-113	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Hexachlorobutadiene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Isopropylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
m,p-Xylene	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Methylene chloride	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
MTBE	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
n-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
n-Propylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Naphthalene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
o-Xylene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
sec-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Styrene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
tert-Amyl methyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	

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Oakland , CA 94612	Reported : 01/21/2013

Client Sample ID MW-1

Lab ID: 1300113-01

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
tert-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Tetrachloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Toluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Trichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Trichlorofluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Vinyl acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Vinyl chloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:25	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:25*	
Surrogate: 4-Bromofluorobenzene	*113 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:25*	
Surrogate: Dibromofluoromethane	*110 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:25*	
Surrogate: Toluene-d8	*112 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:25*	

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Oakland , CA 94612	Reported : 01/21/2013

Client Sample ID MW-2

Lab ID: 1300113-02

Gasoline Range Organics by EPA 8015B

Analyst: LT

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.34**	0.05	NA	1	B3A0346	01/15/2013	01/15/13 12:08	
Surrogate: 4-Bromofluorobenzene	*84.6 %*	*70 - 130*			B3A0346	01/15/2013	*01/15/13 12:08*	

Diesel Range Organics by EPA 8015B (SGT)

Analyst: CR

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**0.08**	0.05	NA	1	B3A0355	01/15/2013	01/16/13 10:55	
Surrogate: p-Terphenyl	*123 %*	*48 - 124*			B3A0355	01/15/2013	*01/16/13 10:55*	

Volatile Organic Compounds by EPA 8260

Analyst: SL

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1,1-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1,2-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,1-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2,3-Trichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2-Dibromoethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,3-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,3-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
1,4-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
2,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
2-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	

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Lab ID: 1300113-02

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
4-Isopropyltoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Benzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Bromobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Bromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Bromodichloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Bromoform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Bromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Carbon disulfide	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Carbon tetrachloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Chlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Chloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Chloroform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Chloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Di-isopropyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Dibromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Dibromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Dichlorodifluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Ethyl Acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Ethyl Ether	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Ethyl tert-butyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Ethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Freon-113	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Hexachlorobutadiene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Isopropylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
m,p-Xylene	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Methylene chloride	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
MTBE	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
n-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
n-Propylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Naphthalene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
o-Xylene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
sec-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Styrene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
tert-Amyl methyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	

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Oakland , CA 94612	Reported : 01/21/2013

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Lab ID: 1300113-02

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
tert-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Tetrachloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Toluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Trichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Trichlorofluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Vinyl acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Vinyl chloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 16:46	
Surrogate: 1,2-Dichloroethane-d4	*95.7 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:46*	
Surrogate: 4-Bromofluorobenzene	*107 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:46*	
Surrogate: Dibromofluoromethane	*103 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:46*	
Surrogate: Toluene-d8	*106 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 16:46*	

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Oakland , CA 94612	Reported : 01/21/2013

Client Sample ID MW-3

Lab ID: 1300113-03

Gasoline Range Organics by EPA 8015B

Analyst: LT

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**0.05**	0.05	NA	1	B3A0346	01/15/2013	01/15/13 12:27	
Surrogate: 4-Bromofluorobenzene	*83.7 %*	*70 - 130*			B3A0346	01/15/2013	*01/15/13 12:27*	

Diesel Range Organics by EPA 8015B (SGT)

Analyst: CR

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**0.09**	0.05	NA	1	B3A0355	01/15/2013	01/16/13 10:22	
Surrogate: p-Terphenyl	*117 %*	*48 - 124*			B3A0355	01/15/2013	*01/16/13 10:22*	

Volatile Organic Compounds by EPA 8260

Analyst: SL

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1,1-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1,2-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,1-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2,3-Trichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2-Dibromoethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,3-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,3-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
1,4-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
2,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
2-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	

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Oakland , CA 94612	Reported : 01/21/2013

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Lab ID: 1300113-03

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
4-Isopropyltoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Benzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Bromobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Bromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Bromodichloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Bromoform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Bromomethane	**0.93**	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Carbon disulfide	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Carbon tetrachloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Chlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Chloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Chloroform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Chloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Di-isopropyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Dibromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Dibromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Dichlorodifluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Ethyl Acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Ethyl Ether	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Ethyl tert-butyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Ethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Freon-113	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Hexachlorobutadiene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Isopropylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
m,p-Xylene	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Methylene chloride	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
MTBE	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
n-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
n-Propylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Naphthalene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
o-Xylene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
sec-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Styrene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
tert-Amyl methyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	

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Client Sample ID MW-3

Lab ID: 1300113-03

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
tert-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Tetrachloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Toluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Trichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Trichlorofluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Vinyl acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Vinyl chloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:06	
Surrogate: 1,2-Dichloroethane-d4	*98.2 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:06*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:06*	
Surrogate: Dibromofluoromethane	*104 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:06*	
Surrogate: Toluene-d8	*107 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:06*	

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Client Sample ID MW-4

Lab ID: 1300113-04

Gasoline Range Organics by EPA 8015B

Analyst: LT

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.05	NA	1	B3A0346	01/15/2013	01/15/13 12:46	
Surrogate: 4-Bromofluorobenzene	*84.2 %*		*70 - 130*		B3A0346	01/15/2013	*01/15/13 12:46*	

Diesel Range Organics by EPA 8015B (SGT)

Analyst: CR

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	ND	0.05	NA	1	B3A0355	01/15/2013	01/16/13 10:38	
Surrogate: p-Terphenyl	*119 %*		*48 - 124*		B3A0355	01/15/2013	*01/16/13 10:38*	

Volatile Organic Compounds by EPA 8260

Analyst: SL

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1,1-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1,2,2-Tetrachloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1,2-Trichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,1-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2,3-Trichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2,3-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2,4-Trichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2,4-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2-Dibromo-3-chloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2-Dibromoethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2-Dichloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,3,5-Trimethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,3-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,3-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
1,4-Dichlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
2,2-Dichloropropane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
2-Chloroethyl vinyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
2-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	

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Client Sample ID MW-4

Lab ID: 1300113-04

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
4-Isopropyltoluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Benzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Bromobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Bromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Bromodichloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Bromoform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Bromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Carbon disulfide	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Carbon tetrachloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Chlorobenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Chloroethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Chloroform	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Chloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
cis-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
cis-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Di-isopropyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Dibromochloromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Dibromomethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Dichlorodifluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Ethyl Acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Ethyl Ether	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Ethyl tert-butyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Ethylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Freon-113	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Hexachlorobutadiene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Isopropylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
m,p-Xylene	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Methylene chloride	ND	1.0	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
MTBE	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
n-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
n-Propylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Naphthalene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
o-Xylene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
sec-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Styrene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
tert-Amyl methyl ether	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	

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Oakland , CA 94612		Reported :	01/21/2013

Client Sample ID MW-4

Lab ID: 1300113-04

Volatile Organic Compounds by EPA 8260 **Analyst: SL**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
tert-Butylbenzene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Tetrachloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Toluene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
trans-1,2-Dichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
trans-1,3-Dichloropropene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Trichloroethene	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Trichlorofluoromethane	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Vinyl acetate	ND	10	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Vinyl chloride	ND	0.50	NA	1	B3A0319	01/14/2013	01/14/13 17:26	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:26*	
Surrogate: 4-Bromofluorobenzene	*107 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:26*	
Surrogate: Dibromofluoromethane	*109 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:26*	
Surrogate: Toluene-d8	*112 %*	*70 - 130*			B3A0319	01/14/2013	*01/14/13 17:26*	

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QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3A0346 - GCVOAW									
Blank (B3A0346-BLK1)				Prepared: 1/15/2013 Analyzed: 1/15/2013					
Gasoline Range Organics	ND	0.05			NR				
Surrogate: 4-Bromofluorobenzene	*0.08447*		*0.100000*		*84.5*	*70 - 130*			
LCS (B3A0346-BS1)				Prepared: 1/15/2013 Analyzed: 1/15/2013					
Gasoline Range Organics	0.882000	0.05	1.00000		88.2	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.09391*		*0.100000*		*93.9*	*70 - 130*			
LCS Dup (B3A0346-BSD1)				Prepared: 1/15/2013 Analyzed: 1/15/2013					
Gasoline Range Organics	0.882000	0.05	1.00000		88.2	70 - 130	0.00	20	
Surrogate: 4-Bromofluorobenzene	*0.09179*		*0.100000*		*91.8*	*70 - 130*			

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Diesel Range Organics by EPA 8015B (SGT) - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3A0355 - GCSEMI_DRO									
Blank (B3A0355-BLK1)					Prepared: 1/15/2013 Analyzed: 1/16/2013				
DRO	ND	0.05			NR				
Surrogate: p-Terphenyl	*0.06023*		*8.00000E-2*		*75.3*	*48 - 124*			
LCS (B3A0355-BS1)					Prepared: 1/15/2013 Analyzed: 1/16/2013				
DRO	0.517490	0.05	1.00000		51.7	45 - 109			
Surrogate: p-Terphenyl	*0.07068*		*8.00000E-2*		*88.4*	*48 - 124*			
LCS Dup (B3A0355-BSD1)					Prepared: 1/15/2013 Analyzed: 1/16/2013				
DRO	0.596770	0.05	1.00000		59.7	45 - 109	14.2	20	
Surrogate: p-Terphenyl	*0.07383*		*8.00000E-2*		*92.3*	*48 - 124*			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3A0319 - MSVOAW_LL									
Blank (B3A0319-BLK1)				Prepared: 1/14/2013 Analyzed: 1/14/2013					
1,1,1,2-Tetrachloroethane	ND	0.50			NR				
1,1,1-Trichloroethane	ND	0.50			NR				
1,1,2,2-Tetrachloroethane	ND	0.50			NR				
1,1,2-Trichloroethane	ND	0.50			NR				
1,1-Dichloroethane	ND	0.50			NR				
1,1-Dichloroethene	ND	0.50			NR				
1,1-Dichloropropene	ND	0.50			NR				
1,2,3-Trichloropropane	ND	0.50			NR				
1,2,3-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trichlorobenzene	ND	0.50			NR				
1,2,4-Trimethylbenzene	ND	0.50			NR				
1,2-Dibromo-3-chloropropane	ND	0.50			NR				
1,2-Dibromoethane	ND	0.50			NR				
1,2-Dichlorobenzene	ND	0.50			NR				
1,2-Dichloroethane	ND	0.50			NR				
1,2-Dichloropropane	ND	0.50			NR				
1,3,5-Trimethylbenzene	ND	0.50			NR				
1,3-Dichlorobenzene	ND	0.50			NR				
1,3-Dichloropropane	ND	0.50			NR				
1,4-Dichlorobenzene	ND	0.50			NR				
2,2-Dichloropropane	ND	0.50			NR				
2-Chloroethyl vinyl ether	ND	0.50			NR				
2-Chlorotoluene	ND	0.50			NR				
4-Chlorotoluene	ND	0.50			NR				
4-Isopropyltoluene	ND	0.50			NR				
Benzene	ND	0.50			NR				
Bromobenzene	ND	0.50			NR				
Bromochloromethane	ND	0.50			NR				
Bromodichloromethane	ND	0.50			NR				
Bromoform	ND	0.50			NR				
Bromomethane	ND	0.50			NR				
Carbon disulfide	ND	1.0			NR				
Carbon tetrachloride	ND	0.50			NR				
Chlorobenzene	ND	0.50			NR				
Chloroethane	ND	0.50			NR				
Chloroform	ND	0.50			NR				
Chloromethane	ND	0.50			NR				
cis-1,2-Dichloroethene	ND	0.50			NR				
cis-1,3-Dichloropropene	ND	0.50			NR				
Di-isopropyl ether	ND	0.50			NR				
Dibromochloromethane	ND	0.50			NR				

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Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3A0319 - MSVOAW_LL (continued)									
Blank (B3A0319-BLK1) - Continued				Prepared: 1/14/2013 Analyzed: 1/14/2013					
Dibromomethane	ND	0.50			NR				
Dichlorodifluoromethane	ND	0.50			NR				
Ethyl Acetate	ND	10			NR				
Ethyl Ether	ND	10			NR				
Ethyl tert-butyl ether	ND	0.50			NR				
Ethylbenzene	ND	0.50			NR				
Freon-113	ND	0.50			NR				
Hexachlorobutadiene	ND	0.50			NR				
Isopropylbenzene	ND	0.50			NR				
m,p-Xylene	ND	1.0			NR				
Methylene chloride	ND	1.0			NR				
MTBE	ND	0.50			NR				
n-Butylbenzene	ND	0.50			NR				
n-Propylbenzene	ND	0.50			NR				
Naphthalene	ND	0.50			NR				
o-Xylene	ND	0.50			NR				
sec-Butylbenzene	ND	0.50			NR				
Styrene	ND	0.50			NR				
tert-Amyl methyl ether	ND	0.50			NR				
tert-Butanol	ND	10			NR				
tert-Butylbenzene	ND	0.50			NR				
Tetrachloroethene	ND	0.50			NR				
Toluene	ND	0.50			NR				
trans-1,2-Dichloroethene	ND	0.50			NR				
trans-1,3-Dichloropropene	ND	0.50			NR				
Trichloroethene	ND	0.50			NR				
Trichlorofluoromethane	ND	0.50			NR				
Vinyl acetate	ND	10			NR				
Vinyl chloride	ND	0.50			NR				
Surrogate: 1,2-Dichloroethane-d4	*27.55*		*25.0000*		*110*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*26.45*		*25.0000*		*106*	*70 - 130*			
Surrogate: Dibromofluoromethane	*27.87*		*25.0000*		*111*	*70 - 130*			
Surrogate: Toluene-d8	*28.24*		*25.0000*		*113*	*70 - 130*			
LCS (B3A0319-BS1)				Prepared: 1/14/2013 Analyzed: 1/14/2013					
1,1-Dichloroethene	18.9000		20.0000		94.5	70 - 130			
Benzene	37.6500		40.0000		94.1	70 - 130			
Chlorobenzene	20.5100		20.0000		103	70 - 130			
MTBE	17.8200		20.0000		89.1	70 - 130			
Toluene	39.3100		40.0000		98.3	70 - 130			
Trichloroethene	18.7800		20.0000		93.9	70 - 130			

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1956 Webster Street, Suite 400	Report To : Cem Atabek
Oakland , CA 94612	Reported : 01/21/2013

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3A0319 - MSVOAW_LL (continued)									
LCS (B3A0319-BS1) - Continued				Prepared: 1/14/2013 Analyzed: 1/14/2013					
Surrogate: 1,2-Dichloroethane-d4	*29.61*		*25.0000*		*118*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*27.67*		*25.0000*		*111*	*70 - 130*			
Surrogate: Dibromofluoromethane	*28.87*		*25.0000*		*115*	*70 - 130*			
Surrogate: Toluene-d8	*28.42*		*25.0000*		*114*	*70 - 130*			
LCS Dup (B3A0319-BSD1)				Prepared: 1/14/2013 Analyzed: 1/14/2013					
1,1-Dichloroethene	18.3800		20.0000		91.9	70 - 130	2.79	20	
Benzene	36.8500		40.0000		92.1	70 - 130	2.15	20	
Chlorobenzene	20.2000		20.0000		101	70 - 130	1.52	20	
MTBE	18.0400		20.0000		90.2	70 - 130	1.23	20	
Toluene	38.7600		40.0000		96.9	70 - 130	1.41	20	
Trichloroethene	18.4900		20.0000		92.4	70 - 130	1.56	20	
Surrogate: 1,2-Dichloroethane-d4	*29.13*		*25.0000*		*117*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene	*26.75*		*25.0000*		*107*	*70 - 130*			
Surrogate: Dibromofluoromethane	*28.43*		*25.0000*		*114*	*70 - 130*			
Surrogate: Toluene-d8	*27.80*		*25.0000*		*111*	*70 - 130*			

Certificate of Analysis

Ninyo & Moore		Project Number :	Former Quality Tune Up, 401007005
1956 Webster Street, Suite 400		Report To :	Cem Atabek
Oakland , CA 94612		Reported :	01/21/2013

Notes and Definitions

ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

CHAIN OF CUSTODY RECORD

Pg 1 of 1

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☑ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ | 2. HEADSPACE (VOA) Y☐ N☐ | 3. CONTAINER INTACT Y☐ N☐ | 4. SEALED Y☐ N☐ | 5. # OF SPLS MATCH COC Y☐ N☐ | 6. PRESERVED Y☐ N☐

Client: Ninyo and Moore
Attn: Cem Atabek
Address: 1956 Webster St, #400
City: Oakland State: CA Zip Code: 94612
TEL: 510 633 5640
FAX:

Project Name: Former Quality Tune Up Project #: 401007005 Sampler: (Printed Name) Blair Bridges (Signature) B Bridges

Relinquished by: (Signature and Printed Name) Cem Atabek	Date: 1/11/13	Time: 1625	Received by: (Signature and Printed Name) Jeff Siegfried	Date: 1/11/13	Time: 425pm
Relinquished by: (Signature and Printed Name) Jeff Siegfried	Date: 1/11/13	Time: 451pm	Received by: (Signature and Printed Name) ON TRAC	Date: 1/11/13	Time: 457pm
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) C. Smith	Date: 1/14/13	Time: 830

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Blair Bridges (Print Name) 1/11/12 (Date)
B Bridges (Signature)

Send Report To:
Attn: Cem Atabek
Co:
Addr:
City: State: Zip:

Bill To:
Attn: Ninyo
Co:
Addr:
City: State: Zip:

Special Instructions/Comments: please perform silica-gel cleanup for TPH-d samples analysis
TAT should be 5-days

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time
	130113-1	MW-1	1/11/12	0855
	2	MW-2		1015
	3	MW-3		1145
	4	MW-4		1245

Circle or Add Analysis(es) Requested

8081A (Pesticides)	8082 (PCB)	8260B (Volatiles) + Oxygenates	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO) + Si-gel cleanup	TITLE 22 / CAM 17 (6010 / 7000)	TPH as Gasoline 5030B	SPECIFY APPROPRIATE MATRIX: SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Container(s) Type	PRESERVATION
X		X		X		X						X					E	7	V/L G/G H	1

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode ____ OTHER ____

REMARKS

• **TAT starts 8 a.m. following day if samples received after 5 p.m.**

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Rev. 2010-0325

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.